CONFERENCE

27, SEPTEMBER 2018

PUNE 27,

#ATAGTR2018

SEPTEMBER 2018

Global Testing

GTR
2018

Retreat

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22 Interactive sessions

6 Tracks

12 Live Labs / workshops

Lightning Talks

Networking Dinner

Skits

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WELCOME TO 3RD EDITION OF ATAGTR

IT IS YOUR CONFERENCE, LEARN, COLLABORATE, HAVE FUN

Dear Patrons and Fans,

It is indeed our very proud moment to welcome you all to the 3rd edition of our annual global event. ATA'S Global Testing Retreat 2018. #ATAGTR2018. This year's conference is really special. We are probably India's first testing conference having 6 parallel tracks with 4 dedicated towards practical lab-based learning. We are the only testing conference in India having dedicated sessions for skits.

Testing and technology has evolved beyond imagination in last couple of years, it started with Agile Testing and now DevOps/Continuous testing with a huge impact from technologies like machine learning, AI, blockchain. Keep an eye on various session and do not miss the panel discussion where you will get to interact as a community with some of the very eminent leaders in our space.

This year's conference is really special because of a few more reasons, we have a whopping speaker count of 54 including all interactive sessions, lab sessions, lightning talk sessions and panel. Three of our speakers have travelled from abroad. Masa Maeda from USA, Schalk Cronje from Andorra and Kushan Amarasiri from Srilanka. Moreover we have speakers travelling from all over India, thus making this event a **truly global Made in India Testing Conference**. We have 16 members participating only for skits. We have a very strong 13 member Jury who have been entrusted to pick the best sessions in two categories, interactive sessions and labs. We are also India's first testing conference which is primarily driven by a large 40 member plus volunteering team and our Pune meetup community headed by Mr Amol Deshpande.

Many thanks are due to all of you who are here and participating in this event, to all our speakers, to all our jury members and obviously to all our volunteers. We would like to thank all our sponsors who have helped us in their own unique ways to bring this event together. Special thanks to our hosts, I2IT, who have been magnanimous in all they have done for this event. Without all of you #ATAGTR2018 would not have happened.

Keep an eye on the various competitions, the winners will contribute to the overall leadership points and the final leadership awards will happen at the very end. Remember, it is your conference, so move around all the tracks, learn, collaborate and most importantly have fun. Do visit our media center we would love to record your views and showcase to the outside world. Please also remember that our hashtag is #ATAGTR2018, please tweet generously about the conference. We want you all to be the flag bearers of this community driven global testing conference.

Best wishes,

Aditya Garg – *Conference Chair and Steering Committee Member Agile Testing Alliance*

ABOUT AGILE TESTING ALLIANCE

COMMUNITY DRIVEN COLLOBORATION

ATA is a non-profit testing community and certification organization. It is a global alliance of visionary industry leaders, prominent authors, leading educational institutions and testing evangelists who are passionate about proliferation of agile, devOps and new age technology in testing.

ATA has a growing global presence and is now present in 17 countries.

And now in 17 countries – welcome Srilanka

- USA
- Canada
- Colombia
- Chile
- Ecuador
- Panama
- **Denmark**
- Netherlands
- UK
- Ireland
- Andorra
- Spain
- South Africa
- India
- Malaysia
- Singapore
- **Srilanka**

ATA organizes meetups, events like CPSAT day, JAVA Boot Camp, competitions like BugATAhon, AutomATAhon, QuizATAhon, BlogATAhon, conferences like Selenium Summit, DevOps Summit, Automation Summit and keeps looking for host organizations who can help us grow the community, helps in growing technology awareness across the globe. We keep on launching learning paths and new age training and certification programs and believe in creating community licensed trainers and corporate partners. **If you are interested in hosting our events in your organizations, do let us know. If you are interested in becoming our licensed trainers for any of the below programs do let us know**.

http://agiletestingalliance.org/certifications.html

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Agile Testing Alliance is helping organizations **transform** their testing teams by conducting **Java boot camps and CP-SAT days**, if your teams are eager to transform into next generation testing teams, testers who are coders too, we can help them transform. Be a part of our **#TesterBhiCoder** initiative

If you know selenium you can directly appear for CPSAT certification from anywhere in the world

#TesterBhiCoder

http://agiletestingalliance.org/sat.html
http://cpsat.agiletestingalliance.org/

Please write to us for any queries ▶ ▶ ▶ ATAIndia@agiletestingalliance.org
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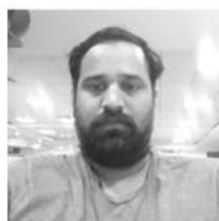LTI

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Quality Kiosk

Ketki Panse
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Thanks to all our volunteers and ATA Pune meetup group
http://atapunemeetup.agiletestingalliance.org/

Aditya Garg
Agile Testing Alliance

Agile Testing Alliance is proud to collaborate and create self-evolving testing communities.

Be our volunteers

Be our torch bearers

The Mission

- To grow agile testing awareness, practices and acceptance.
- To grow new age technology usage and evangelism in testing.
- To collaborate and create self evolving testing communities

https://www.agiletestingalliance.org/

PANEL DISCUSSION

PANEL DISCUSSION TOPIC

RISE OF QA AND TESTING IN ML/AI AND BLOCKCHAIN

Panel Members

Chitra Ramaswamy
COO at Quality Kiosk
Technologies

Krishna Rajan
Independent Consultant,
Mentor & Director
Executive Director –
GeoSpoc Geospatial
Services
Former MD, Barclays
Technology Center India

Niraj Parihar
Executive Vice President,
Leader - Insights and Data
Global Business Line, India

Rajneesh Malviya
Vice President, Head
Infosys Pune
Development Center &
Global Head of Testing
Services - BFS & HIL at
Infosys

Rohit Kishore
Vice President QEA,
Cognizant

Sachin Jain
Solutions Head – Assurance
& Privacy Practice, LTI

JURY MEMBERS

JURY MEMBERS

Durgesh Joshi
Amdocs

Amol Deshpande
BMC Software

Dhananjay Deshpande
Fujitsu Consulting India

Sachin Kinare
Capgemini

Manoranjan Das
DGSL

Shridhar Bhat
Cognizant Technology Solutions

Anuja Saraf
Fiserv

Poonam Jain
Tieto

Prasad Watve
Tieto

Bharathi Venugopal
Allscripts

Bhaskar Motouru
Allscripts

Sougata Maitra
LTI

Charu Jain
Fidelity International

Certified Professional –
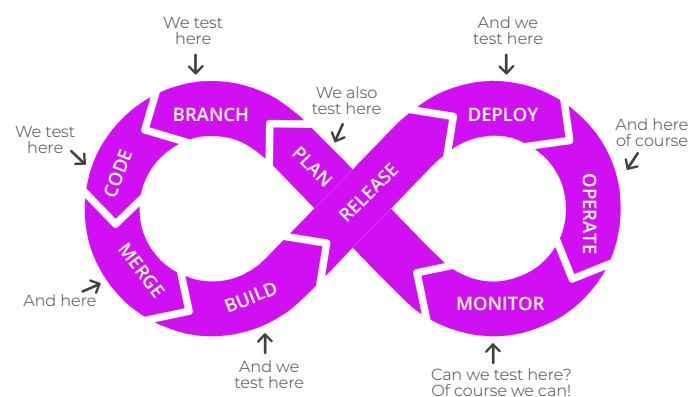# Cucumber Driven Continuous Testing
(CP-CCT)

Practically experience and learn the most emerging and challenging trend using tools like cucumber, selenium and Jenkins.

Learn and practice continuous testing from Ideation to Release

Surest way for you to practically experience continuous testing/ DevOps testing

CP-CCT PROGRAM HIGHLIGHTS

» Introduction to DevOps, DevOps Lifecyle and Continuous Testing

» Ideation, Behavior and Requirements, MVP, MMF and Epic Hypothesis, Collaboration, BDD cycle, Attributes of a Good feature document

» BDD using Cucumber, Cucumber components, Illustrating and Building Features, Cucumber in action for API level testing, Test first concept using Cucumber, Continuous Testing using Jenkins, Jenkins in action for BDD/User stories

» Selenium and GUI Testing, BDD using Selenium for the given User Stories, Driving the API and GUI level tests from Eclipse and Jenkins using Selenium

» Testing in all phases of DevOps, Continuous Deployment vs. Continuous Delivery - understanding Release on Demand, Dark Launches and Canary Releases and A/B Testing

» Practical Case study on Continuous Testing

Continuous Testing

We test here ↓

We also test here ↓

And we test here ↓

We test here ↓

BRANCH

PLAN

DEPLOY

And here of course ↓

CODE

RELEASE

OPERATE

MERGE

BUILD

MONITOR

And here →

And we test here ↑

Can we test here? Of course we can! ↑

Tool Coverage

Se Jenkins eclipse JUnit

cucumber Cobertura Maven

Global Testing Retreat

GTR 2018

Track 1

QUALITY MINDSET: THE SMOOTHEST PATH TO LEAN-AGILE TRANSFORMATION

KEYNOTE SESSION – MASA K MAEDA - TRACK 1

Abstract

Almost, if not all, lean-agile transformations confront challenges. Numerous reports exist on that matter and diverse ways to deal with them have been proposed. Masa has identified what he considers to be a common denominator—Lack of quality mindset across the entire enterprise. On this keynote MASA will elaborate on how he has been bringing quality mindset to enterprises over the last 15 years to ease their transformation aches.

About the speaker

Dr. Masa K. Maeda is the founder and CEO of Valueinnova LLC in USA. He is a well-known figure in the lean-agile community worldwide and a pioneer on Kanban, High Collaboration Frameworks and XSCALE. Masa has transformed organizations from of all sizes—from Fortune 500 to startups—in 4 continents. He is also an HCFs Collaborations Architect and Trainer, an XSCALE Steward and Trainer, Lean-Agile Senior Coach, an Agile Testing Alliance member of the steering committee and trainer, a senior consultant with the Cutter Consortium and a Consultant with the True North Consortium. Masa is one of the founders of the Lean Kanban University. He previously did R&D at Apple Inc and in Japan at Justsystems Corp., and was a founding team member of several successful startup in Silicon Valley (two ended up in acquisition). He has a PhD and an MS in artificial intelligence from the university of Tokushima in Japan.

https://www.linkedin.com/in/masakmaeda/

IS YOUR TESTING ORGANIZATION PROPELLING YOUR AGILE TRANSFORMATION OR SLOWING IT DOWN

KEYNOTE SESSION – MAYURESH DESHPANDE - TRACK 1

Abstract

While most of the organizations are in different stages of their Agile Transformations, we see that despite the drive to exceed in their Engineering excellence the teams aren't able to achieve their desired throughput. Many organizations are still struggling because their Testing Partners have not been able to keep up the pace. Reasons are various right from unable to bulldoze the silos, to upskilling the workforce to Testing associates still not able to voice their opinions

About the speaker

Mayuresh Deshpande
Head, Agile Coaching Practice at
Fiserv India Pvt. Ltd

Mayuresh has nearly 24 years of core IT experience. Worked in various roles and capacities in multiple software development life cycles including 8+ years of Agile Transformation and Execution experience. Core strengths in Project, Delivery and Client Management expectations. Currently working as Head of Agile Coaching Practice, at the leading Financial Transaction Based software company. Have been working with Fortune 50 companies for past 20 years providing solutions and process consulting.

https://www.linkedin.com/in/mayuresh-deshpande-0715523/

DISTRIBUTED LEDGER TECHNOLOGY (DLT), BLOCKCHAIN - DISTILLED

INTERACTIVE SESSION – SCHALK CRONJE – TRACK 1

Abstract

Distributed ledger technology (DLT), popularized as Blockchain, is the buzz nowadays, but where should tech people start who would like you get in to it? Right here, for in this session Schalk shall distill many of the popular technologies in this space into a form that is easily understandable. It will contain comparison and philosophies and approaches and help you to maybe make a better decision of where to focus your energy.

About the speaker

Schalk Cronje lives in Andorra, and is one of the world's leading experts on the Gradle build tool. Schalk is a DevOps and Value delivery coach and is one of the world's renowned open source contributor. Schalk loves Indian food and travels to India once in a year to be a part of Global Testing Retreat.

Schalk specialises in software automation for modern product delivery. Schalk also does technology advocacy to CTOs and technical people with a strong focus on ROI in the use of Open Source products. Schalk has 20yrs+ of experience in the software industry, including some experience in retail, wholesale and outdoor industries.

Schalk Cronje
DevOps & Value-delivery Coach & Trainer

https://www.linkedin.com/in/schalkcronje/

DESIGN PATTERNS IN TEST AUTOMATION

INTERACTIVE SESSION – SHRINATHACHARYA L.M – TRACK 1

Abstract

For every successful test automation, how best framework is built, what are the design patterns implemented in framework matters a lot. Shrinath will talk about design patterns implementation in test automation framework starting from re-usability, single-ton, page object model, fluent interface (Method chaining), repository pattern and talk on different types of automation framework. Also on how these patterns help in defining success of test automation and return on investment for test automation.

About the speaker

Shrinathacharya LM
Principal Engineer, Allscripts

Shrinathacharya L M is having 15+ years of experience in development, test automation and currently working as Principal Quality Engineer at Allscripts from past 5+ years. Earlier he worked for Valtech India, Wrench Solutions. He also worked at client places at UK & US. He has also contributed his innovation ideas to the companies wherever he worked. Few of his innovative ideas are under patent processing.

During his professional work he worked to bring value to the system/project/product. He also received multiple rewards in his career like star performer, test king from client, spot, spark and client delight awards.

https://www.linkedin.com/in/shrinathacharya-lm-shri-in-uk-7908b122/

'YATHA RAJA THATHA PRAJA' UNDERSTANDING LEADERSHIP THROUGH VISHNU INCARNATIONS

INTERACTIVE SESSION – RAMIT MANOHAR KAUL – TRACK 1

Abstract

There is an old Sanskrit saying "Yatha Raja Thatha Praja" which means the team is as good as the leader. For teams to be successful in today's world, understanding leadership and applying in real life are very important. Through this topic, Ramit is going to explain the different leadership styles and their application by quoting stories from Vishnu's incarnations.

About the speaker

Ramit Manohar Kaul
Founder & CEO Mayiki Consultants,
CTO IndoiAnalytics

Ramit has 16 years of experience in software testing, development, consulting and training. His core expertise lies in Software Testing & Test Management. **Ramit** is Founder & CEO at Mayiki Consultants and CTO at IndoiAnalytics. He was previously working as Vice-President Solutions at Moolya Software Testing India, leading teams to deliver mission-critical projects for many global clients. He have been instrumental in transitioning S/W development to India for companies like Puretesting and Dell. He was one of the contributors to MBT syllabus released in 2015. A frequent speaker at technology conferences & interests to nurture and grow the breakthrough ideas and mentor new talents.

https://www.linkedin.com/in/ramitmkaul/

'COLLABORATION - A TABOO!'

Abstract

When one has fun at work, work becomes fun. However, daily pressures, metrics, KPIs, and what not, have dissolved the fun, and made work drudgery in various ways. This creates stress for individuals, in teams, and across teams, there is mis-trust, unnecessary competition, blame, finger-pointing. This will be a game session where Anand will interact with the audiences using some interactive techniques.

About the speaker

Anand is a hands-on and result-oriented Software Quality Evangelist. He also has a wide range of experience in testing and building test tools and infrastructure, which includes project management, design, development, reviews, and release planning and management.

Anand Bagmar
Founder, Software Quality Evangelist
at Essence Of Testing

https://www.linkedin.com/in/anandbagmar/

MICROSERVICES AND CONSUMER DRIVEN CONTRACT TESTS

INTERACTIVE SESSION – SUNITA VENKATACHALAM AND PRAVITHA NAIR – TRACK 1

Abstract

The topic is relevant as the test pyramid is changing to include Consumer Driven Contract Tests especially when testing microservices. As more companies are moving towards building highly distributed, granular, microservices based API first systems, the importance of ensuring that all of the different pieces work functionally while they are all changing at the same time is hard. In the case of external APIs we usually manage this by creating multiple versions of producer APIs to avoid breaking consumers code.

About the speaker

Sunita Venkatachalam
Impactful and Adaptive Engineering Leader

Sunita Venkatachalam started her life as a developer, moved into testing and test automation, back to development and finally ended up as an Engineering manager leading development teams.

https://www.linkedin.com/in/sunitavc/

Pravitha Nair
Associate Analyst Testing at Target

Pravitha Nair started her career in Testing with ANZ Corporation, and moved to Target where she moved on to Test Automation as well as Project Management.

https://www.linkedin.com/in/pravitha-nair-569b5338/

PERFORMANCE TESTING AND MONITORING OF CONTAINERIZED MICROSERVICES

INTERACTIVE SESSION – HARSHALA NAGARKAR – TRACK 1

Abstract

Microservices within Containers: Microservices and containers have recently garnered a lot of attention in the DevOps community. Running microservices - based applications in a containerized environment is useful. Docker and microservices are natural companions, forming the foundation for modern application delivery. As part of Performance testing, when we get an application hosting containerized microservices, we need to understand the overall concept of containers and dockers and then further align the Performance Testing and Monitoring strategy.

About the speaker

Harshala Nagarkar
Cognizant Technology Solutions

Harshala Nagarkar has been associated with Cognizant's Performance Testing Practice, with 7.5-years of experience in Performance Testing and Performance Engineering Activities. She is involved in deriving impact assessments, requirement gathering, estimations, test planning, scripting, test execution, analysis, reporting and providing Recommendations to improve performance of applications.

https://www.linkedin.com/in/harshala-nagarkar-62815619/

A DOZEN MISTAKES IN SOFTWARE TESTING CAREER (AND HOW TO AVOID THEM)

INTERACTIVE SESSION – AJAY BALAMURUGADAS – TRACK 1

Abstract

Ajay completed 12 years of his software testing career and penned down his top twelve mistakes. In this talk, he is going to share his top three mistakes and give a preview of his book. **Be there to experience the honest acceptance of the mistakes and witness the launch of his new book**.

About the speaker

Ajay is a graduate of Problem Solving Leadership, BBST Courses by AST, Rapid Software Testing, Rapid Testing Intensive workshop, Lean Software Testing Workshop, Ajay Balamurugadas doesn't hesitate to spend on his learning. Starting his career as a software tester, he continues to be a hands-on software tester along with training new testers, meeting testers in person, presenting at conferences, conducting workshops and sharing his thoughts through his blog and tweets.

Ajay Balamurugadas
AVP-Delivery, Qapitol QA Services Pvt. Ltd.

https://www.linkedin.com/in/ajaybalamurugadas/

CONTENT QUALITY VALIDATION, A HIDDEN TREASURE IN SOFTWARE TESTING WORLD

LIGHTNING TALK 1 – SMITAL NAIK – TRACK 1

Smital from **PTC** has hands on experience in Product Testing, Localization Testing, Post-Production Testing Support, Content Validation Testing. Exposure to Test Environment Management & Test Data Management Practices.

Smital Naik
Test Lead at PTC

BLOCKCHAIN: THE NEXGEN EXPLOSION IN DIGITAL WORLD

LIGHTNING TALK 2 – CHINMAYA SAHOO AND VIJAI KRISHNAMOORTHY – TRACK 1

Chinmaya Sahoo has around 10 years of experience in the field of Testing (Manual and Automation). he also has expertise in testing of Mobile Rich Applications for different platforms like Blackberry, iPhone, Android and Windows Mobile

Chinmaya Sahoo
Senior Quality Engineer at Allscripts

Vijai Krishnamoorthy has 14 yrs. experience in Software Industry. He is a CP-DOF, ISTQB Certified Professional, CSM, AHM 250 Certified

Vijai Krishnamoorthy
Allscripts

BEST PRACTICE FOR SUCCESSFUL SAFE AGILE TESTING

LIGHTNING TALK 3 – PREETHA SREEKANTH – TRACK 1

Preetha has 12+ years work experience, with about 9+ years in civil engineering field and 3 years as QA. She loves both her careers and I enjoy the passion I have for my profession.

Preetha Sreekanth
Expert QA Engineer, CSM, SAFe Agilist, Allscripts

QUALITY ENGINEERING IN DEVOPS: ENABLING BUSINESS GROWTH WITH SEAMLESS PRODUCTION

LIGHTNING TALK 4 – CHINMAYA SAHOO AND VIJAI KRISHNAMOORTHY – TRACK 1

Kshitij Sutawane is having around 15 Years of IT Experience which includes Global Exposure of working closely with Fortune 100 CSPs across World. He is highly instrumental in implementing DevOps practices in Amdocs Quality Engineering group and is DevOps Fundamentals Certified Professional

Kshitij Sutawane
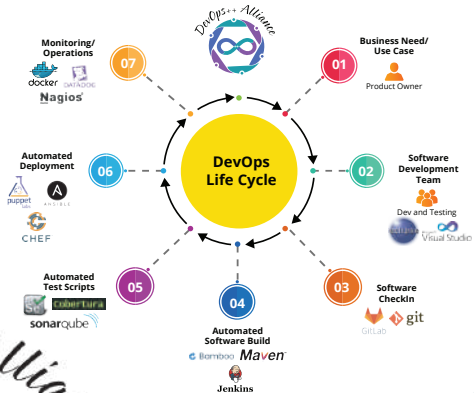Software Test Manager- Amdocs Quality Engineering

Prashant Yadav has 12+ years of IT experience including 2 years of development. Had worked as tester, lead and manager in Amdocs Quality Engineering for America's prepaid and wireline customers

Prashant Yadav
Amdocs

http://cpdof.devopsppalliance.org/

Certified Professional DevOps Foundation

End to End DevOps Lifecycle Coverage

CP-DOF Coverage

- ✓ DevOps Fundamentals
- ✓ Software Configuration Management (SCM)
- ✓ Maven – as a Build tool
- ✓ Continuous Integration
- ✓ Continuous Integration using Jenkins
- ✓ Automated Test Scripts – Static and Dynamic
- ✓ Checking Code Coverage [Cobertura]
- ✓ Infrastructure Management – Docker, Ansible
- ✓ Automated Deployment Tool - Ansible
- ✓ Continuous Delivery
- ✓ Tools Covered- Jenkins, Git, Ansible, Docker, Artifactory, Cobertura, Junit, Maven, Tomcat

CP-DOF Tool coverage

Track 2

MACHINE LEARNING AS A DECISION SUPPORT SYSTEM FOR QA PROFESSIONALS

INTERACTIVE SESSION – KAUSHIK RAGHAVAN – TRACK 2

Abstract

Machine learning (ML) has tremendous potential to super-charge the QA teams with excellent decision support systems. ML can help QA professional to take Quantitative decisions backed by fool-proof statistical techniques. ML is the science of identifying useful patterns in data. These patterns usually highlight useful hidden insights about the data and the process that generates the data.

About the speaker

Kaushik Raghavan
Manager, Product Research and Testing at Resileo Labs

Kaushik has an extensive experience in performance testing web-based applications, mobile-based applications with various load levels. Conducted extensive product research on performance testing tools and developed code snippets for performance monitoring various technology stacks.

https://www.linkedin.com/in/kaushikgr/

TEST TRANSFORMATION - A JOURNEY

INTERACTIVE SESSION – SEEMA KOHLI AND SANGEETHA KASHYAP – TRACK 2

Abstract

Transformation journey started with the assessment of current state using industry standard TMMI test assessment model. The identified gaps and recommendations were used to formulate the transformation roadmap and plan. Large banks and other institutions continuously look for solution to reduce cost, increase speed and improve quality of testing. This can only be achieved if the client and IT vendor organization works in a partnership mode to improve the maturity of the client testing organization to greater level of maturity year after year through a transformation journey.

About the speakers

Seema Kohli is an IT professional with experience in all phases of SDLC. For last over ten years, working in IBM in the software testing space in management / test consultant roles.

https://www.linkedin.com/in/seema-kohli-aa75241/

Seema Kohli

Sangeetha Kashyap is IBM Certified Senior project manager, have extensive experience in Project/Program Management and client facing roles across diverse industries and technologies.

https://www.linkedin.com/in/sangeetha-kashyap-72258018/

Sangeetha Kashyap

SECURITY TESTING FOR RESTFUL APIS

Abstract

REST is Web and REST security is just web application security. Because API communication occurs under the covers and is unseen, many of us get a false sense of security, believing that our API's are secured. However, HTTP/HTTPS-based APIs can be easily observed, intercepted, and manipulated. Security is a vague term, claiming an API is secure because it uses SSL or OAuth is false. Hence testing API's for potential security issues is absolutely essential.

About the speaker

Anuradha Raman
QA Lead at Encore Software Services

Anuradha has 9 years of overall experience of testing web based and mobile applications. Proficient in software development life cycle including test strategy preparation, test plan creation, designing of test cases, test execution and bug tracking. Analyzed business requirements and software requirement specifications to create test plan and test cases for Functional and automation testing. Experienced in different types of testing: Black box testing, white box (API Test Automation and Mule Testing), functional, GUI testing, system, regression, UAT and performance Testing.

https://www.linkedin.com/in/anuradha-raman-9a123674/

MANUAL AND AUTOMATED ACCESSIBILITY TESTING IMPLEMENTATION

INTERACTIVE SESSION – RAKESH KONDREDDY – TRACK 2

Abstract

When websites are designed, developed all users have equal access to information& functionality. QA needs to make sure web & mobile should be accessible to all users including differently abled or having special needs, abide by legislation (WCAG, section 508, ADA) and avoid lawsuits. His session describes manual testing by reviewing HTML code and automated Accessibility techniques using evaluation tools like Voice over, AXE, HTML code sniffer, WAVE, A checker, W3c Mobile ok analyser, colour contrast analyser useful for developers and QA within their automated scripts. Also, demonstration of Automated Accessibility utilities checks and reports accessibility violations of all pages in a website will be undertaken by Rakesh.

About the speaker

Rakesh Kondreddy
Senior Software Test Engineer,
Ellucian

Rakesh is a forward thinking, capable and committed test Engineer with a proven ability to meet agreed deadlines, co-ordinate tasks and work to defined testing methodologies within a structured environment. Focused on any task at hand and able to utilize existing test knowledge and experiences to come up with practical solutions and alternatives to testing processes.

https://www.linkedin.com/in/rakesh-kondreddy-csm%C2%AE-87010622/

THE SUBTLE INFLUENCE OF COGNITIVE BIASES ON TESTING PROFESSIONALS

INTERACTIVE GAME SESSION – PRABHAKER PANDITI – TRACK 2

Abstract

We are not rational. Innumerable cognitive biases colour our judgement, subtly guiding us into making decisions we otherwise would not. These cognitive biases systematically lead us to certain erroneous patterns and affect decisions and judgments about people, things and ideas. Diverse fields such as cognitive psychology, social psychology and behaviour economics now recognize this. Be a part of this exciting game session on "The Subtle Influence of Cognitive Biases on Testing Professionals" only at #ATAGTR2018

About the speaker

Prabhaker Panditi

Enterprise Agile Coach, Executive Coach, Lean Agile, Product Development Consultant, Accenture Solutions Pvt. Ltd.

Prabhaker helps organizations expedite the delivery of value by driving enterprise-level lean agile adoption, building high performance software delivery and product development teams and leading organization transformation. He has 19+ years of global experience including onsite in Switzerland, Middle East and Singapore; collaboration with stakeholders across North America and Europe

https://www.linkedin.com/in/prabhakerpanditi/

HOW A FORTUNE 500 CASE STUDY CHANGED THE WAY WE DO QA AUTOMATION

INTERACTIVE SESSION – SHWETA SHARMA AND PRATEEK JAIN – TRACK 2

Abstract

The requirements from the client were pretty simple: Automate whatever can be automated for all user stories. Wow, it doesn't get simpler than this. The first point that comes to your point when you start to automate a project is the ROI. Automation undoubtedly is powerful, however only when implemented effectively and efficiently.

About the speakers

Shweta is working as a Quality Assurance Engineer and has over 11 years of experience in the QA industry. She is a strong advocate of open source tools and technologies and believes strongly in giving back to the community.

https://www.linkedin.com/in/shweta-sharma-56a37b18/

Shweta Sharma

Prateek is an Engineering Manager at Axelerant. He is a software development leader experienced with development, testing and project management across wide variety of business and process domains.

https://www.linkedin.com/in/prateekjain87/

Prateek Jain

INTERNET OF THINGS (IOT) TEST AUTOMATION AND DATA VIRTUALIZATION USING MACHINE LEARNING

INTERACTIVE SESSION – SAMAR GAJBHIYE, KARTHIKEYAN BALASUBRAMANIAN AND SUPRIYA HANDE – TRACK 2

Abstract

Internet of things (IoT) is the next revolution of the internet called as the internet of everything. The communication between real-time physical devices over the internet without the use of human intervention is called IoT. Internet of Things is the combination of hardware and software, and most essential parts are gateway and sensors. It used in different industries like Manufacturing, Agriculture, Energy, Home, Defence and many more. IoT testing is the most critical and challenging part of the IoT model implementation.

About the speakers

Samar Gajbhiye is a Software Engineer at L&T InfoTech. He has two years of experience in the Internet of things (IoT) and Testing in IoT.

https://www.linkedin.com/in/samar-gajbhiye-72b322106/

Karthikeyan Balasubramanian is a Software Engineer with Three years of experience at L&T InfoTech and has worked on developing tool for customer experience testing.

Supriya Hande is a Sr. Test Engineer at L&T InfoTech. She has seven years of experience in software testing including Manual and Automation Testing.
https://www.linkedin.com/in/supriya-hande-34b41963/

DECODING SECURITY IN DEVSECOPS

INTERACTIVE SESSION – MEGHASHYAM VARANASI AND VENKAT MONCOMPU – TRACK 2

Abstract

Organizations across the globe are embracing DevOps to deliver quality Digital products at speed and reduced cost. During this journey, Organizations often overlook the impending threat of security. When Security measures are ad-hoc or after the fact, it impedes the Organization's innovation journey. In a recent hack on a Financial Institution, personal and sensitive information of about 140 million Americans was compromised. DevSecOps is based on the premise that Security is integrated into the life-cycle and part of continuous value delivery.

About the speakers

Meghashyam Varanasi has about 15 years of experience in IT and ITes industry. He holds an MBA from IIM Ahmedabad & B.Tech Computer science degree.

https://www.linkedin.com/in/meghashyam-varanasi/

Meghashyam Varanasi

Venkat is a digital technology leader with the Cognizant Consulting practice. He currently focuses on managing programs & advisory services around cloud transformation, cloud native computing, open-source adoption, DevOps implementation, agile development with CI/CD and adopting machine learning and analytics for continuous improvement.

https://www.linkedin.com/in/venkatms/

Venkat Moncompu

Track 3

LAB - FULL STACK WEBSERVICES TESTING WITH UNIREST

HANDS ON LAB SESSION – KUSHAN AMRASIRI – TRACK 3

Abstract

We are in an era of transformation, most of testing jobs in the industry are now requiring test automation as a critical skill. Everyone is pushed to learn this area as there is also increased job losses happening all around the world. We all try to learn test automation and excel in our career. But everyone keeps worrying how we can learn this? How we can achieve the climax on test automation? This is a greyed area for all, especially in the area of web services testing. **Session will help participants pick up full stack webservices testing using UNIREST in this lab.**

About the speaker

Kushan always strives to be a QA evangelist backed by the emerging technologies, QA processes, concepts and tools. He is an active member/speaker at MeetUps. He has trained large number IT professionals from leading tech firms including Pearson, Virtusa, Eyepax etc.

https://www.linkedin.com/in/kushana/

Kushan Amarasiri
Codehouse

LAB - MOBILE AUTOMATION WITH VISUAL STUDIO APP CENTER (XAMARIN)

Abstract

Mobile devices are becoming more important than ever in our society. The demand of automated testing on mobile APPs is becoming significantly greater than before. Supporting all real device for mobile automation will be much costlier instead App Center brings multiple device with cross-platform to test on it. **Session will help participants pick up XAMARIN for mobile automation in this lab.**

About the speakers

Pawan Kumar is having close to 5 years of experience in Testing world. I have exposure to Ranorex, Selenium, QTP, Docker run extensively, Xamarin, Cloud based Web/Mobile testing with Framework designing.

https://www.linkedin.com/in/pawan-kumar-68aa512b/

Pawan Kumar
Senior Software Engineer at Allscripts

Shrinath holds 15 years' experience in developing product / framework/ automation/ mobile automation / web application using .NET technologies.

https://www.linkedin.com/in/shrinathacharya-lm-shri-in-uk-7908b122/

Shrinathacharya LM
Principal Engineer, Allscripts

LAB - ROBOTIC PROCESS AUTOMATION USING UIPATH

HANDS ON LAB SESSION – MADAN UPPADHYAY – TRACK 3

Abstract

Session will make your learn **Process Automation with RPA using UiPath.** RPA can be used to automate any process in similar way Selenium can be used, but without writing any single line of code. Additionally, it's seamless automation for Web, Windows, Excel or Email automation. Testing is not just about testing and validation the application but learning and participating in emergent technology interesting. Per some survey data, RPA and AI market value would be huge, "Artificial Intelligence Market worth 190.61 Billion USD by 2025" ,"Global RPA market size is expected to reach over USD 5.1 billion by 2025".

About the speaker

Madan Upadhyay
Founder & CEO | Innovation | Digital
Transformation | RPA | AI | Design
Thinking | Trainer

Madan is Senior Leader in Business Automation and Robotics (RPA) with strong focus on Strategy, leadership, innovation and driving business performance and Value Delivery. Community leader and focused on building the strong community in the era of emergent technologies to stay relevant and competitive.
.
https://www.linkedin.com/in/mmupadhyay/

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Track 4

LAB - AUTOMATION TESTING LAB USING SAHI PRO

Abstract

While people have realized that test automation is needed, there is still a lot of struggle with tools, methodologies etc. For a tester it is always good to know various tools to achieve better, faster and more reliable automation and choose the most appropriate toolset for their use case. **This session helps understand the important bits of automation and also how to use Sahi Pro**.

About the speaker

Narayan Raman
CEO, Tyto Software Pvt. Ltd.

Narayan Raman is the founder, CEO of Tyto Software Pvt. Ltd, a Bengaluru based software products company specializing is software automation products (Sahi Pro). Narayan is the author of Sahi, an award winning open source web test automation tool.

https://www.linkedin.com/in/narayanraman/

LAB - END TO END PERFORMANCE TESTING WITH GATLING

HANDS ON LAB SESSION – VARUN DESHPANDE – TRACK 4

Abstract

Performance is most important part of today's software world. As every application or software is goes on internet and access from the web. So at a single point of time huge number of requests needs to handle by that application. As the industry is shifting from on-premises software to cloud base software, so as a performance tester we need to change our strategy to test the applications. **This will be a lab session which will help participants learn Gatling as a performance testing tool**

About the speaker

Varun Deshpande
Senior Member Of Technical Staff at
VMware

Varun has 8.5 + years of Professional IT experience in Java J2EE Development, Spring, Webservices as major, Software Testing, automation testing Selenium. He also has Extensive experience working in an Agile methodology with frequent deliverables. He has been handling team and worked collaboratively with cross-functional teams. Proficient in Estimations, Analysis & Requirement Traceability and tool usage i.e. Rally,QC and JIRA.

https://www.linkedin.com/in/deshpandevarun/

LAB - SETTING UP TEST ENVIRONMENT USING KUBERNETS

HANDS ON LAB SESSION – PARESH PATIL AND ALOK PATRA – TRACK 4

Abstract

As more and more platforms become cloud-native, containers are playing a more important role in every enterprise's infrastructure. **Kubernetes** is currently the most well-known solution for managing containers, whether they run in a private, a public or a hybrid cloud. With a container application platform, we can dynamically create a whole environment to run a task that is discarded afterwards. **Participants will learn how to setup test environment using Kubernetes**

About the speakers

Paresh Patil is also working as a software engineer are Crevise Technologies and is an expert in containerization, container orchestration, application migration and configuration management.

https://www.linkedin.com/in/paresh--patil/

Paresh Patil

 Alok Patra is currently working as a Software Engineer at Crevise Technologies and have an experience with various clouds, containerization, container orchestration, application migration and configuration management.

https://www.linkedin.com/in/iamalokpatra/

Alok Patra

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Track 5

LAB- BLOCKCHAIN – SETTING UP DECENTRALIZED APPLICATION WITH ETHEREUM AND DIVING INTO QA APPROACH

HANDS ON LAB SESSION – SHILA BHATTACHARYA, KETAN JOSHI AND GIRISH SINGH – TRACK 5

Abstract
This lab session will help participants set up Decentralized Application with Ethereum, and help participants dive Into QA Approach for blockchain applications. The session will start with introduction on blockchain and ethereum, followed by concepts on testing in ethereum. It will then lead up to participants doing a setup of a network and decentralized application followed by testing of the same. The session requires some basic knowledge of JavaScript, JSON and Solidity. Following installations are required Go Ethereum (Geth) v1.7.3 , Ethereum Wallet : v0.9.3, Node JS : v8.12.0, latest Chrome Browser and any Standard text Editor

About the speakers

Shila Bhattacharyya is Director – Projects in Banking and Financial services, Quality Engineering and Assurance group of Cognizant Information technology and Services Corporation.
https://www.linkedin.com/in/shila-bhattacharyya-2037153b/

Ketan Joshi is Sr. Solution Architect at Cognizant and has 17+ years of experience varying from Manufacturing/Embedded to BFS.

https://www.linkedin.com/in/ketan-joshi/

Girish Singh is a Technology Expert at Cognizant Technology Solutions and a part of the Quality Assurance team in the Business and Finance Service domain.
https://www.linkedin.com/in/girish-patap-singh/

LAB - INTRODUCTION TO BIG DATA TESTING AND ITS CHALLENGES

HANDS ON LAB SESSION – SHREYA PAL, MANJHIRI AND VISHAKHA – TRACK 5

Abstract

Big Data is an evolving term that describes voluminous amount of structured, semi- structured and unstructured data that has potential to be mined for information, it is a very promising field in today's complex business environment and is integral part to a company's decision-making strategy. Right Big Data Testing strategy helps to ensure that every information displayed is verified and validated. **This session gives an overview of challenges faced and the overall testing methodology with hands-on for prominent big data tools like HDFS and Hive**.

About the speakers

Shreya Pal

Shreya is a seasoned Big Data Architect with 15+ Years of rich experience in big data, data science, and modern analytics space. Shreya has worked globally with multiple industry domains ranging from Life Science, Banking, Insurance and Telecom in designing big data solutions, large-scale distributed system architecture and cloud-based services.
https://www.linkedin.com/in/shreya-pal-aa905225/

Manjiri Jagtap

Manjiri is an experienced QA Lead with 10+ years of experience in the world of software testing. Manjiri has worked in multiple domains such as Life science, Semiconductors, Graphics and Banking.

https://www.linkedin.com/in/manjiri-jagtap-76b05625/

Vishakha More

Vishakha is a veteran consultant with 6+ years of experience in the world of software industry. Vishakha has worked with domains such as Life sciences, Pharma and Telecom.

https://www.linkedin.com/in/vishakha-more-5a4a0336/

WORKSHOP - THINKING INSIDE THE BOX - SYSTEMATIC INVENTIVE THINKING

HANDS ON LAB SESSION – AVISKAR NIKALE AND ABHAY KUMAR SINGH – TRACK 5

Abstract

In the search of serendipitous idea or innovation we often tend to ignore innovation which can be done methodically. **Systematic Inventive Thinking** is one such set of techniques which can be applied to a product or process. This might enhance it or create an alternative which might look weird initially but given time would be surprisingly useful. The techniques also help us in breaking our biases towards how things are and how they work, namely functional fixedness and structural fixedness. The five thinking tools of Systematic Inventive Thinking along with its "**Closed World Principle**" can help you kickstart ideation and innovation in a well-defined manner.

About the speakers

Aviskar Nikale
LTI

Aviskar Nikale is having 14+ years of IT experience and working as Senior Technical Architect in LTI. Aviskar has rich experience of Agile,SaFe, DevOpps , Ml and APIs.

https://www.linkedin.com/in/avishkarnikale/

Abhay Kumar Singh
LTI

Abhay Kumar Singh is having 3.5+ years of experience and working as Software Engineer in LTI.

Abhay has diverse testing expertise such as Manual, Functional, Mobile and DB testing. He is an agile and a Safe practitioner.

https://www.linkedin.com/in/abhay-kumar-singh-b6884a59/

CP-MLDS

(Machine Learning and Data Science) Foundation

CP-MLDS FOUNDATION PROGRAM HIGHLIGHTS

The World of Machine Learning

(What, Types, Steps, Applications, Linear Algebra, Calculus and Statistics refresher)

Setting up Environment for Machine Learning

(Anaconda, Python introduction, Numpy, Panda, Matpotlib, case studies and relevant exercises
Project: Creating a jupyter notebook and apply statistics and visualization using Pandas and Matplotlib on the Boston Housing Dataset)

Exploratory Data Analysis

(Need of Data, pre-processing of data, boxplot to visualize data, data and column relationships
Project: Explore the 1974 Motor Trend US magazine dataset)

Simple Linear Regression

(Using scikit-learn for Machine Learning basic concepts of linear regression, its applicatin on a data set, accuracy of linear model, scikit-learn usage
Project: Predict the distance traveled given speed of the car)
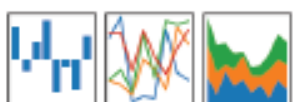
Multiple Linear Regression

(How to solve multiple linear regression use case, applying linear regression on different datasets, selecting best feature for accuracy
Project: Predict the power output of a power generation plant given environmental readings from different sensors)

Classification using Logistic Regression

(Apply logistic regression to different datasets using scikit-learn, where logistic regression can be applied.
Project: Apply logistic regression to predict whether a client of a bank will subscribe to a term deposit given campaign marketing data)

Tool Coverage

pandas · NumPy · ANACONDA · python

matplotlib · scikit learn · jupyter

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Track 6

LAB - HOW TO TEST CHATBOT

HANDS ON LAB SESSION – SAMAR GAJBHIYE, KARTHIKEYAN BALASUBRAMANIAN AND SUPRIYA HANDE – TRACK 6

Abstract
Being in the era of chatbots the importance of assuring the quality of your chatbot is very important. Chatbots are indeed revolutionizing the interaction between organizations and individuals, but one thing still lacks, the industry still hasn't been able to achieve is standardizing the chatbot testing. We rather observe the performances indirectly. This session will help participants test Chatbots

About the speakers

Samar Gajbhiye is a Software Engineer at L&T InfoTech. He has two years of experience in the Internet of things (IoT) and Testing in IoT.

https://www.linkedin.com/in/samar-gajbhiye-72b322106/

Karthikeyan Balasubramanian is a Software Engineer with Three years of experience at L&T InfoTech and has worked on developing tool for customer experience testing.

Karthikeyan
Balasubramanian

Supriya Hande is a Sr. Test Engineer at L&T InfoTech. She has seven years of experience in software testing including Manual and Automation Testing.

https://www.linkedin.com/in/supriya-hande-34b41963/

Supriya Hande

LAB - HOW TO APPLY MACHINE LEARNING FOR TESTING BUSINESS CASE

HANDS ON LAB SESSION – ANAND VYAS – TRACK 6

Abstract

Machine Learning techniques are heavily employed for Businesses in the form of Recommendation engines, Sales Predictions, Fraud detection, customer segmentation etc. These supervised and unsupervised ML techniques and NLP (Natural Language Processing) could be equally applied to Software Testing and QA. At the Lab Session, we'd be exploring **such potential use cases for ML in Testing** like to optimize Test Suites, Duplicate/Redundant Bug Reports identification, Improve Coverage, Better Traceability, Effective Continuous Monitoring and Tracking, **Anand would be sharing his immense experience and knowledge in the world of machine learning and its usage in testing**

About the speaker

Anand Vyas
Service Delivery Manager, LTI

Anand Vyas, A seasoned IT professional with more than **16 years of technical experience** with a proven track record of heading end to end program deliveries with medium to large-scale dev and testing efforts.

He has worked with IIT, Delhi and LTI.

He is passionate about Artificial Intelligence and Machine Learning based products and services specifically for Software Testing.

https://www.linkedin.com/in/anvyas/

LAB - PERFORMANCE TESTING USING JMETER

Abstract

Today customers have very high expectations of the software we use than ever before. Delay is load page directly corresponds to decreased customer satisfaction and which translates to revenue loss. Performance Testing is non-functional testing of application which examines the relationship of application to it's environment. Performance bottlenecks are identified by simulating load as per the requirement using Performance Testing Tools. JMeter is one of the best leading Performance Testing Tools from Apache Open Source Community.

In this lab session Harpreet will cover performance testing using JMeter.

About the speaker

Harpreet Kahai
Performing Testing Architect and
Lead, LTI

Harpreet Kaur Kahai is Project Manager in LTI with 12 years of experience into Performance Testing.

She has extensively worked on various performance testing tools like JMeter, Loadrunner, Webload, WAPT PRO, VSTS, Ultimate, Performance Centre and RPT providing end to end performance testing solutions for different technologies and domains.

https://www.linkedin.com/in/harpreet-kaur-kahai/

Panel Disscussion

Rise of QA and Testing in ML/AI and Blockchain

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