AGENDA

WEDNESDAY 25 APRIL 2018

THE QA FINANCIAL FORUM CHICAGO 2018

08:45 - 09:00

Welcome Address and QA Vector Research Presentation
Matthew Crabbe, CEO and Founder – QA Financial

09:00 - 09:30

Keynote Presentation: From Deming to DevOps, a QA Transformation Journey
Speaker: Ian Gore, Senior Vice President, Enterprise Enablement, Northern Trust

Whilst the financial industry is embracing more agile ways of working, change is not always easy, as firms must integrate complex legacy systems that can slow down and complicate digital transformation. Ian will take you through his experience in the industry and the journey towards DevOps, and the importance of the role QA and Testing have in this transition. He will explain how embracing change is not an option but an imperative and give an insight into what the next 5 years hold.

09:30 - 10:10

Panel Discussion – Financial firms and the Road to Continuous Delivery: Overcoming the Key Challenges
Moderated by: Ian Gore - Senior Vice President, Enterprise Enablement - Northern Trust
Panellists:
Jason Jerina - Head of Quality Assurance, Application Support and Maintenance - New York Life Insurance Company
Swati Shah - Vice President and Head of Technology, Open Banking and API Strategy (Enterprise) - U.S. BANK
Raj Kanuparthi - Head of Enterprise QA, Tools and DevOps - Vantiv, now WorldPay

How do financial firms ensure faster delivery along with improved customer experience? How can firms maintain quality whilst accelerating development? Our panellists will explore these challenges and more whilst examining the journey towards DevOps and automated testing. One of the key challenges for many firms: how to manage the transition from legacy IT environments, and what does this mean from a QA perspective?

10:10 - 10:50

Panel Discussion – Embedding Regulatory Compliance into Software Development
Moderated by: Varun Ebenezer - Vice President and Senior Audit Manager, Technology and Operations U.S. - BMO Financial Group
Panellists:
Yemi Akisanya - Product Manager, Business Development, Product Development - OCC - Options Clearing Corp
Tom Tiefenworth -Assistant Vice President, Chief Technologist Compliance Analytics - Legg Mason
Mehmet Yanilmaz - Partner - Myra Trading

In an environment of ever-increasing regulatory scrutiny, financial firms must ensure that compliance is embedded throughout the SDLC. Our panel of experts will explore how IT risk management is being supervised by regulators, and how to enhance communications between developers, IT Risk Managers and Internal Auditors to ensure a holistic approach to IT risk and compliance.

10:50 - 11:20

Coffee & Networking

11:20 - 12:00

Panel Discussion – Managing Software Risk: Vendor Risk Management and Benchmarking Quality

Moderated by: Rachel Williams, Editor, QA Financial
Panellists:
Sundeep Kumar - Executive Director, Global Technology - JP Morgan Chase
Yakut Akman - Chief Third Party Management Officer - Citi
Jason Jerina - Head of Quality Assurance, Application Support and Maintenance - New York Life Insurance Company

As firms increase their reliance on software-based digital capabilities, they have big decisions to make about how they manage software risk and compliance requirements. This is especially true of decisions around the out-sourcing of code development and testing and also the use of open-source and third-party components. Our panel of experts will discuss embedding regulatory compliance into outsourcing decisions, how to bench-mark code quality, security and risk, and consider new models for managing off-shoring.

12:00 - 12:40

Panel Discussion – Redefining Testing in the DevOps World

Moderated by: Brian Patrick Timmeny - Senior Vice President, Global Head of Advanced Engineering, DevOps and IT Processes - BBVA
Panellists:
Chris Spera - Assistant Vice President, Head of Quality Assurance and Testing - Millennium Trust
Karthik Loganathan - Director, Business Technology, ESQM (Enterprise Software Quality Management) - Discover
Myrtle Singson - Continuous Delivery Team Lead - Capital One

DevOps methodologies are widely viewed as the critical enabler of new QA processes. But what is the impact of DevOps on software testing? How can firms adapt their test teams for methodologies such as TDD and BDD? Another significant challenge is building the business case for investment in new technologies, such as test service virtualization, at a time when CTOs and CEOs are looking for substantial savings from automation and the re-assessment of outsourcing requirements. Our panellists will share their experiences in tackling these conundrums.

12:40 - 13:10

A DevOps Journey: Reducing Friction in the Enterprise

Speaker: Mark Peterson - Senior Vice President for Platform Services Architecture - Wells Fargo

Mark will discuss the journey currently underway at Wells Fargo to strategically transform software development and testing processes. Challenges covered will include: Mobilizing key subject matter experts and leaders in the effort to articulate and enhance the new vision; the necessity to have clear target state business goals; a holistic approach to enable people, process, and tool changes; and the difficulties encountered in a large organization when implementing change across teams.

13:10 - 14:10

Lunch & Networking

14:10 - 14:40

The Nature of Truth and How We Define Fake Testing

Speaker: Iosif Itkin - CEO and Co-Founder - Exactpro

We live in a world of complex and interconnected systems. The software development life cycle goes full steam ahead through agile transformations. Large technology infrastructures seek better ways of assuring quality, scalability and reliability for their platforms. The path is frequently obstructed by the spread of Fake Testing. Many project teams are vulnerable to this new danger. Iosif will share his thoughts on how to deal with the challenge in a post-truth world of eroding trust.

14:40 - 15:20

Panel Discussion - Testing for Blockchain, Smart Contracts and Distributed Ledgers

Moderated by: Andrew Kumiega - Ph.D. Assistant Professor- Illinois Institute of Technology
Panellists:

Varun Ebenezer - Vice President and Senior Audit Manager, Technology and Operations U.S - BMO Financial Group

Jonathan Morley - Senior Software Engineer, Digitization and Tech Labs - CME Group

As blockchain technologies become more widely used by financial firms, questions remain over improving security and testing for distributed ledger platforms. How do firms test smart contracts? Our panel of experts will discuss the industry standards for such testing, as well as considering how to embed test automation into contract and platform construction.

15:20 - 15:50

Reinventing QA in the age of Agile, DevOps, Machine Learning and Big Data

Speaker: Sundeep Kumar - Executive Director, Global Technology - JP Morgan Chase

In recent years, the software development process has been revolutionized. In the age of Agile, DevOps, Machine Learning and Big Data, traditional QA processes must also adapt in order to add value to the Software Development Life Cycle. Modern QA must incorporate advances made in Machine Learning and Big Data Techniques, utilising tools such as Splunk, RPA and Big Data Analytics, with particular emphasis on automation and continuous integration. In this presentation, Sundeep will explore how firms can reinvent QA, to make sure it keeps pace with the overall Software Development Process.

15:50 - 16:20

Coffee & Networking

16:20 - 16:50

Software Security and Testing: A Holistic Approach to Risk Management in the SDLC

Speaker: Brian Timmeny - Senior Vice President, Global Head of Advanced Engineering, DevOps & IT Processes - BBVA

Under increasing risk of cyber-attacks, as well as ever mounting regulatory scrutiny, firms must ensure that security is embedded throughout the software development life cycle. Brian will detail how BBVA are approaching security testing, whilst considering the industry response to ever more stringent regulatory requirements, such as the NYCRR 500. He will detail how to reduce risk through vendor management, and best practice surrounding the cloud and open-source tools.presentation, Sundeep will explore how firms can reinvent QA, to make sure it keeps pace with the overall Software Development Process.

16:50 - 17:20

Quality Assurance, Testing and Governance Stages for Machine learning Algorithms

Speakers:

Andrew Kumiega - Ph.D. Assistant Professor- Illinois Institute of Technology

Imir Arifi - Head of Artificial Intelligence and Machine Learning - Blue Cross and Blue Shield

Everyone is talking about AI and machine learning - but how will firms test machine learning systems as they increasingly become a reality? Andrew and Imir will discuss techniques for ensuring quality control on algorithms and data structures, and how these can help firms to meet business objectives. They will explain how algorithms can be tested, and how this ensures stability in production.

17:20 - 18:20

Cocktail Reception