TEST AUTOMATION ENGINEERING

Presented by Andrew L Pollner
About your speaker

Andrew L Pollner

President & CEO, ALP International

Executive Committee, ASTQB

Working Group Chair, ISTQB

Advanced Level – Test Automation Engineer
ISTQB Vision

To continually improve and advance the software testing profession by:

*Defining and maintaining a Body of Knowledge which allows testers to be certified based on best practices, connecting the international software testing community, and encouraging research*
About ISTQB

• 2002 Year of founding as a non-profit
• 50 Member Boards
• 72 Countries covered by MBs
• 440,000 Certifications issued worldwide
• 3rd Largest non-IT specific certification (1-PMI, 2-ITIL)
• 14 Certifications in Product Portfolio
About ASTQB

ASTQB is the U.S. board for the internationally recognized ISTQB software testing certification with a mission to promote Software Testing in the United States.
Test Automation Engineering – Brief History

• Originally Slated at the Expert Level
• Expert Level TAE Syllabus GA Released in 2014
• ISTQB Revisits Positioning, Targets Advanced Level
• WG Revises TAE Syllabus at Advanced Level
• Approved as Beta Release in March of 2016
• Approval for GA Release October 2016
Scope of TAE

• Tasks of a test automation engineer (TAE) in designing, developing, and maintaining test automation solutions.

• Concepts, methods, tools, and processes for automating dynamic functional tests and the relationship of those tests to test management, configuration management, defect management, software development processes and quality assurance.
Topic Areas

• Objectives for Test Automation
• Preparing for Test Automation
• Generic Test Automation Architecture
• Deployment Risks & Contingencies
• Reporting & Metrics
• Transitioning from Manual to Automated Testing
• Verifying Test Automation
• Continuous Improvement
Generic Test Automation Architecture (gTAA)

- Test Generation Layer
- Test Definition Layer
- Test Execution Layer
- Test Adaptation Layer
Questions?
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