

Bertold Kolics

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in bertold

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🇺🇸 USA (citizen), Hungary (citizen)

🧠 Skills

Quality assurance & software testing (*Manual and automated testing*), **Engineering management & leadership**, **Software Development** (*Java, C*), **Agile Methodologies**, **Cloud Services** (*Amazon Web Services, Azure, Google Cloud*)

👜 Professional Experience

mabl 05/2019 – present | Boston, MA, USA

Software Quality Manager

- Drives the product engineering team to embrace and adopt modern testing methodology emphasizing quality driven by customer data and resulting in acceleration of delivering business value to end-users
- Performs hands-on software testing of mabl's SaaS product delivered on Google Cloud Services
- Introduced exploratory testing sessions as a regular practice which are now independently conducted by all teams
- Revitalized The Ministry of Testing Boston Meetup group by finding speakers, setting up, organizing, advertising a handful of meetups since November 2019 both onsite at the mabl office and online
- Updates and maintains internal end-to-end testing framework using the dogfooding technique
- Provides daily and weekly reports on software quality using cloud monitoring, tracing, data analysis tools such as Google BigQuery, Google Data Studio, Google Error Reporting, Rollbar, FullStory
- Working across the organization, introduced and implemented a unified process, evaluated and selected a tool for issue tracking. Implemented issue tracking solution using Atlassian Jira including with custom workflows, fields, dashboards as well as automated processes using Groovy
- Implemented new CircleCI (bash), Octopus Deploy (PowerShell), updated Jenkins (Java) integrations
- Rewrote existing Selenium-based Java tests to use BDD-style JavaScript framework with CodeceptJS and webdriverio
- Helped a major enterprise client by updating unattended, failing tests and helping them to learn best practices on test automation
- Contributes to the product with minor bug fixes typically found while reviewing Google Error reports using Java and JavaScript

CS DISCO 08/2018 – 04/2019 | Austin, TX, USA

Director of Software Quality

- Contributed continuous improvements to company's risk-based quality assurance processes such as risk assessment, risk monitoring and risk grading on the entire product portfolio
- Monitored and analyzed escaped product defects for root cause and bug cluster analysis
- Implemented test data strategy to mitigate risk of escaped product defects due to insufficient breadth of testing
- Improved hiring practices for quality assurance engineers by formalizing interview scripts
- Drove cross-cutting projects within engineering – such as test automation framework enhancements, selection of next-generation test automation tools – with collaboration from each and every product team
- Set up knowledge sharing lunch n' learn sessions to effectively share and disseminate information. Coordinated and improved cross-team communication of testing activities.

ESO Solutions

04/2017 – 08/2018 | Austin, TX, USA

Director of Quality

- Managed a quality assurance team of 10 engineers in a matrix engineering organization following Agile practices (Scrum & Kanban) with employees in Austin, TX and Des Moines, IA. Hired QA engineers using recruiters and internal referrals. Mentored junior QA engineers on testing practices and test automation best practices. Introduced an engineering internship program. Successfully transitioned some QA engineers to more suitable roles in support and development. Provided continuous feedback to engineers during weekly one-on-one meetings.
- Implemented additional quality processes such as code reviews between QA and development engineers, created test plan templates (master, user story), and introduced session-based testing prior to product releases with participation from non-engineering staff (customer support, training, professional services)
- Introduced test case management to capture both manual as well as automated test cases and to track their execution
- Evaluated and introduced a cloud-based test automation service (SauceLabs)
- Presented testing practices at the Test Leadership Congress in New York City (June 2018)

Ping Identity / UnboundID

08/2012 – 04/2017 | Austin, TX, USA

Product Quality Manager

- Managed a team of six QA engineers (based in Austin, TX and other US locations). Hired QA engineers through recruiters, internship programs and recruitment at local meetups. Managed out underperforming engineers in a humane and respectful manner. Facilitated career advancement of QA engineers in both testing and non-testing roles. Provided continuous feedback to engineers during weekly one-on-one meetings and 360-degree feedback during annual reviews.
- Implemented additional quality processes such as coverage of patch releases, enabling code quality tracking with SonarQube, requiring code reviews by QA engineers for all product changes. Ensured a high level of automation at multiple testing levels (unit, functional, system as well as performance) against a complex product suite.
- Introduced new tools and services to improve engineering productivity such as: improving integration between source control, code review and issue tracking systems, switching to Slack as the primary team communication with integration of key engineering services and pushing the company to move from on-premise to hosted services (e.g. moving from on-premise data center to Amazon AWS, leveraging hosted source control for new projects).
- Managed engineering lab infrastructure, systems, and tools

UnboundID

08/2008 – 08/2012 | Austin, TX, USA

Software Engineer

- First person to receive job offer from UnboundID with 4 co-founders. Worked as a backend developer of a Java-based high-scale identity management product suite deployed across data centers in environments with millions of users and memory usage often exceeding 100 GB.
- Developed and enhanced the replication feature to keep data in sync between product instances with extreme high-scale, high-throughput and low-latency requirements. Introduced WAN-friendly feature to significantly reduce cross-site traffic.
- Performed work duties for the first year as a remote employee

Sun Microsystems

07/2001 – 08/2008 | Austin, TX, USA

Staff Engineer (Software)

- Developed an extranet-focused, high-scale identity management J2EE application (Identity Manager Service Provider Edition). Designed and developed LDAP connector including a novel state-based change detection technique.
- Prototyped and later integrated (a now patented) on-demand password synchronization between Active Directory and iPlanet Directory Server.

Sun Microsystems France SA

05/2000 – 06/2001 | Grenoble, France

Quality Assurance Engineer

- Designed and developed automated tests for security and replication features of the iPlanet Directory Server. Developed stress and scale tests to exercise product limits.
- QA recipient of the "Good Enough Never Is" award.

Research Assistant

- Developed model for web proxy caches using colored Petri net and presented paper at a workshop in Aarhus, Denmark
- Managed web proxy cache service consisting of 50+ systems in the higher educational network
- Provided pre-sales support for middleware applications from Process Software, Inc. and Innosoft International, Inc
- Beta tested e-mail messaging and directory products. Numerous bug reports led to job offer from Innosoft (acquired by Sun Microsystems)

Education

University of Veszprem

09/1992 – 05/1997 | Veszprem, Hungary

Master of Science in Information Technology

Courses

Bluecase Vision 2 Innovate Leadership Training

09/2017 – 05/2018 | Austin, TX, USA

Bluecase

The V2I Process is a synthesis of some of the world's most effective high performance and leadership tools and practices. The four courses are delivered over four calendar quarters, and include practical processes for day-to-day application throughout the year. Select one-on-one coaching participants learn how to lead the cultural development effort, bringing the tools more deeply into the organization to ensure the skill sets are understood and practiced.

Austin Agile U Foundation Level Class

09/2016 – 12/2016 | Austin, TX, USA

Agile Austin

The Agile Austin U Foundations Course is a 9-week course on Wednesday evenings. The intent is to introduce the core concepts of Agile, with an emphasis on Scrum.

Certificates

International Software Testing Qualifications Board (ISTQB) (*Foundation Level Certified Tester, Foundation Level Agile Tester, Advanced Level Test Manager*),

Association of Software Testing  (*BBST Foundations*)

Organizations

The Ministry of Testing Boston Meetup

11/2019 | Boston, USA

Event organizer

Assistance of organizing events, finding speakers, coordinating efforts to host event at mabl office

ACM

06/2019 – present

Professional Member

Travis County

01/2018 – 01/2020 | Austin, TX, USA

Deputy Voter Registrar

Helping residents register to vote

OWASP

05/2017 – present

Member

City of Austin

09/2016 – present | Austin, TX, USA

Zero Waste Block Leader

Helping local community to implement zero waste practices by distributing information about the City's programs as well as sharing relevant events, tips and ideas over e-mail, social media and at community gatherings.

Languages


Hungarian • German

Publications

6 Strategies to Maximize Your End-to-end Testing Impact  10/06/2020
mabl.com blog

Shift Left in End-to-End Testing using AI 08/30/2020
TestGuild Automation podcast
Guest on the TestGuild Automation podcast

Risk-based Testing For the Whole Team  06/2020
Lisa Crispin and Bertold Kolics
Accepted workshop at Agile Testing Days USA Conference

Exploring together to find and prevent bugs with Elmer Fudd sessions  02/19/2020
Lisa Crispin and Bertold Kolics
Blog post that discusses how we organize our exploratory testing sessions at mabl.