Erol Isildak — Senior Software Engineer in Test

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SUMMARY

Senior Software Engineer in Test specializing in web and mobile automation testing, blending an academic background in Music and Technology with deep expertise in quality assurance. Proven track record in establishing manual and automation test frameworks from scratch, integrating CI/CD pipelines, and translating complex requirements into actionable technical solutions. A highly adaptable, detail-oriented professional with strong proficiency in Agile methodologies and cross-platform performance optimization.

EXPERIENCE

Pointr, United Kingdom — *Senior Software Engineer in Test*

SEP 2023 - PRESENT

- Lead end-to-end testing of indoor mapping applications on Android, iOS and web.
- Built and maintain a Manual and Automation Test Framework with Cypress (JavaScript).
- Automate mobile tests with Appium and WebDriverIO and web tests with Playwright.
- Run automated daily smoke tests via JIRA and streamlined delivery through Kanban and Agile practices.
- Analyze network traffic and debug APIs with Charles Proxy, Postman and Developer Tools.
- Develop Beacon Broadcaster apps for Android, iOS, macOS and Windows, plus Raspberry Pi projects that support the testing infrastructure.
- Implement DevOps practices and CI/CD pipelines with Azure, AWS and GitHub Actions.
- Research and integrate open-source AI search technologies.

Optimum7, United States — *QA Test Engineer*

MAR 2022 - AUG 2023

- Designed and implemented a Manual Test Framework for E-commerce platforms such as Volusion, BigCommerce, and Shopify.
- Conducted critical testing for store setup, tax, and shipping migrations, ensuring seamless transitions.
- Managed manual testing processes and Software Testing Life Cycle (STLC) principles for various E-commerce solutions.

FrachtPilot, Frankfurt, Germany — *Software Test Engineer*

DEC 2021 - AUG 2022

- Built and managed a Manual and Automation Test Framework from scratch, utilizing JIRA for test case management and defect logging.
- Developed comprehensive Test Plans, Test Cases, and End-to-End Scenarios based on user stories.
- Executed rigorous regression testing and Agile testing methodologies.

Fruveg GMBH, Frankfurt, Germany — *Quality Assurance Engineer / Quality Manager*

DEC 2018 - DEC 2021

- Established the Quality Department, successfully achieving ISO 9001 and ISO 22000

certifications.

- Integrated and executed comprehensive testing processes for the "Lieferung" application across web and mobile platforms.

AVID Technology, Berlin, Germany — *Business Analyst Quality Assurance*

JAN 2016 - DEC 2018

- Applied doctoral-level Music and Technology expertise to quality assurance and business analysis for Sibelius, the industry-standard music notation software.
- Worked with product and engineering teams to turn musical notation standards and user needs into clear business requirements and technical specifications.
- Designed, executed and automated test plans and root-cause analyses for every release, refining Agile QA/BA workflows to speed up delivery without compromising reliability.

PROJECTS

Indoor Mapping Application: Conducted comprehensive testing for mobile indoor mapping, ensuring cross-platform functionality and performance optimization. (Technologies: Appium, Jira, JavaScript, Selenium)

E-commerce Platform Migration: Led end-to-end testing for migrating from Magento-Volusion to BigCommerce and Shopify, enhancing site functionality and performance. (Technologies: JIRA, Test Rail, JMeter)

Food Distribution Application: Implemented automated testing processes, reducing testing duration by 80% and improving application reliability. (Technologies: Java, Maven, Selenium, Cucumber)

EDUCATION

Ph.D. & Master's in Music and Technology

Istanbul Technical University & Gazi University, Istanbul/Ankara | June 2016 - June 2020

Bachelor of Business Administration

Anadolu University, Eskisehir | June 2021

Bachelor in Music and Technology

Istanbul Technical University, Istanbul | June 2013

SKILLS

Testing Tools: Cypress, Appium, Selenium, JIRA, Test Rail, Playwright, WebDriverIO, JMeter

Programming: JavaScript, Java

Methodologies: Agile, Kanban, STLC

Other: Charles Proxy, Postman, Git/GitHub, AWS, Azure, Raspberry Pi

Languages: English (C1), German (B1)

CERTIFICATIONS

- ISTQB Foundation Level Certificate
- ISO9001/22000 Lead Auditor Certificate
- ISO 13485 Medical Devices Quality Management System