

Matthew Curtner

Software Engineer

matthewcurtner@hotmail.com

(208) 242-4199

<https://www.linkedin.com/in/matthewcurtner>

<https://github.com/MCurtner>

<https://mcurtner.github.io/>

Software engineer with 12 years professional programming experience in developing, designing, and delivering innovative IT solutions to meet the ever-changing project/business requirements. Leadership, skills, and knowledge refined during the last 10 years in the aeronautics industry. Expert in developing and implementing software development strategies/user-focused web applications with a range of technologies and programming languages. Possesses an ability to architect reliable, performant, and scalable IT solutions. Equipped with extensive understanding of learning models and object-oriented concepts.

Areas of Expertise

- Project Management
- Software Engineering
- Test Automation Frameworks
- Continuous Integration/Continuous Deployment
- Full Stack Development
- Software Development Lifecycle
- Agile/Scrum Methodology
- IOS Application Development
- Debugging & Analyzing
- Test Strategy & Planning
- Team Training & Leadership
- Quality Assurance & Control

Technical Proficiencies

Java | Spring MVC, JPA, JSP J2EE | Hibernate | REST | SOAP | C# | Jenkins | Docker | Swift | Objective-C | HTML, CSS, Angular | PL/SQL | Selenium | Cucumber | Javascript | Typescript | XML | .NET | Python | IntelliJ Idea | Maven | Browserstack |

Career Experience

Frequentis AG

QA Software Automation Manager

2019 – Present

Spearhead the integration of Java behavior-driven testing framework into diverse software engineering initiatives, spanning entire project scopes and cross-functional team collaboration. Design, develop, and maintain robust and scalable automation framework to facilitate continuous integration and regression testing. Lead comprehensive software development protocols, encompassing debugging proficiency and adept management of defects. Collaborate with development teams and stakeholders to ensure successful release of premium software products.

- Management of delivery of high quality robust production code for a diverse array of projects for clients including Eurocontrol, Qatar Airways, Autocontrol, Estonia, and India air authorities
- Work alongside operational product owners and directors to lead the research, development, and architecture of technical solutions to fulfill business requirements
- Collaborate with project managers and engineers to transform concepts into production realities for clients and stakeholders
- Lead and facilitate company-wide initiatives such as technical system testing best practices
- Provide leadership within engineering department through close collaboration, knowledge shares, and mentorship
- Hands on development and management automation testing framework consisting of Selenium and QF-Test
- Active participant of a Scrum team utilizing Agile methodology

Utilized Java/J2EE technologies to architect, design, and engineer web and mobile applications within client/server environments. Instructed and educated developers and quality assurance team members in the implementation of automation programs and streamlined processes. Conducted regular performance reviews to identify skill development opportunities and promote culture of learning and growth. Monitored test results, analyze defects, and provided timely feedback analysis.

- Architected implementation of custom BDD testing framework using IntelliJ, Java, Selenium and Cucumber/Gherkin
- Interactive automation implementation of web and mobile applications for aeronautical information systems
- Collaborated with developers to ensure thoughtful and consistent user experience across web, iOS, and Android devices
- Mentoring of new hires and interns
- Involved in coding reviews, standards, and guidelines
- Applied relevant technical skills to deliver specifications, program changes, unit test scripts, and documentation
- Supported programming changes during quality assurance, user acceptance testing, and post implementation.
- Recognized and improved code inefficiencies that led to a 38% increase in application stability.

Frequentis AG
Test & Documentation Engineer

2011 – 2013

Developed and oversaw automated testing protocols utilizing Java-based testing framework. Executed TestComplete automated test cases to validate software functionality, performance, and security. Implemented comprehensive system integration and acceptance tests to validate software performance and ensure adherence to compliance standards. Created and maintained comprehensive technical documentation, including test cases, procedures, and user manuals.

- Create and execute TestComplete automated test cases to validate software functionality, performance, and security
- Distributed mobile testing for functionality using Browserstack
- Crafted and updated user training materials while collaborating with product owners on refining test plans and scripts.
- Conducted manual and exploratory testing to validate functional and nonfunctional requirements.
- Developed automated testing protocols utilizing Java-based testing frameworks
- Performed quality assurance tests on various sites to ensure cross-browser compatibility and mobile responsiveness

Additional Experience

ZENworks NTS Support | Novell
Customer Software Support | PolicyTech

Education

Bachelor of Science in Computer Information Technology
Brigham Young University - Idaho - Rexburg, ID

Certifications

Certified ScrumMaster® (CSM®) Scrum Alliance, Inc.
Badge: 654495