

Joshua Manlunas

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Professional Summary

Results-driven software professional with over ten years of experience across the full software development lifecycle. Specialised in Agile and Scrum methodologies with expertise in developing, testing, and deploying containerised web applications, robust APIs, and automation frameworks. Proactively leverages cutting-edge AI technologies to accelerate delivery timelines, enhance productivity, and maximise customer value. Proven track record in test automation and quality assurance, consistently delivering high-quality solutions that address complex business requirements and drive measurable results.

Skills

Programming Languages: Golang, Java, Kotlin, Groovy, Ruby, TypeScript, JavaScript, Python, SQL, Swift, Bash, C#, HTML/CSS, PL-SQL, T-SQL, P-SQL

Frameworks: Playwright, Locust, Artillery, Cypress, Vue.js, Ember.js, Spring Boot, React.js, Rails, Angular, Galen, Express.js, .NET Core, AstroJS, Next.js, React Native

Platforms/Software: VS Code, Cursor, IntelliJ, SQL Developer, Bitbucket, Jira, Confluence, Jenkins, Docker, OpenShift, Kubernetes, Postman/Newman, Dynatrace, AWS CodePipeline, Azure DevOps

Tools: JUnit, NUnit, Jest, JMeter, Vitest, Gradle, Maven, Git, Ansible, OpenShift, Docker, Kubernetes, Selenium, Cucumber, Mocha-Chai, Subversion, Concertino, QuerySurge, Rest-Assured, Github CoPilot, Cursor, Claude Sonnet, OpenAi ChatGPT, Gemini.

Operating Systems: RedHat Linux, CentOS, macOS, Windows, Fedora, Ubuntu

Professional Experience

Software Engineering Specialist

Westpac Group | January 2025 - Present

- Design, development, and deployment of cutting-edge software solutions to improve operational efficiency and enhance user experience.
- Collaborating with cross-functional teams to define technical requirements and deliver scalable, high-performance applications.
- Leveraging a modern tech stack to implement clean, efficient, and maintainable code.
- Conducting comprehensive code reviews, debugging, and testing to ensure quality and reliability.
- Driving continuous integration and deployment processes to streamline development workflows.
- Mentoring and supporting junior developers and testers in adopting best practices and industry standards. Playwright and Artillery. - Developed bespoke software testing solutions and AWS CodeBuild pipelines to enable continuous delivery. - Mentored junior engineers and developers, created test strategies and plans to ensure robust testing practices.

AI-Augmented Engineering & Agent Orchestration

Design and implement an end-to-end AI agent orchestration pipeline spanning the full SDLC — from automated requirements analysis and JIRA test case generation through to Playwright test automation code, page object model updates, and code commits ready for PR creation. Each stage is handled by purpose-built agents coordinated into a seamless, hands-off workflow.

Engineer custom AI instructions and structured context templates for GitHub Copilot, ensuring the model consistently understands project architecture, coding standards, and JIRA story context before generating code. Develop tailored VS Code Copilot Chat prompts that produce implementation code, unit tests, and integration tests aligned to story requirements.

Build a custom VS Code AI code review extension that gives developers full codebase-aware, LLM-powered review feedback locally — enabling a true shift-left approach to quality before code ever leaves the developer's machine.

Architect prompt-driven workflows for automated test generation and AI-assisted code review, reducing manual effort, enforcing consistency, and standardising quality across teams. Currently developing a custom AI agent for automated PR code review integrated with Bitbucket.

Technologies Used:

- Programming Languages: JavaScript, TypeScript, Bash, Java
- Frameworks and Libraries: Spring Boot, React, Node.js
- Tools and Platforms: AWS, Docker, Kubernetes, Git
- Testing: Playwright, Jest
- DevOps: Jenkins, AWS Codebuild Pipelines
- LLM Tools: MS/Github Copilot, Claude Sonnet Models, Open Ai GPT Models, Google Gemini Models

Senior QA Test Automation Engineer

Kiwibank | January 2022 - December 2024 - Contributed to Kiwibank's digital transformation by developing and optimising test automation frameworks using Playwright and Artillery. - Developed bespoke software testing solutions and AWS CodeBuild pipelines to enable continuous delivery. - Mentored junior engineers and developers, created test strategies and plans to ensure robust testing practices.

Senior Test Automation Engineer

ANZ | February 2021 - December 2021 - Designed and implemented containerised test automation frameworks deployed in OpenShift to ensure high-quality web application releases. - Enhanced existing frameworks to ensure zero downtime and rapid feature releases.

Senior Developer/Programmer/DevOps Engineer

ANZ | November 2019 - January 2021 - Worked on CI/CD pipelines for the Teradata Data Warehouse, using Java/Groovy and OpenShift. - Developed and supported Spring Boot micro-services for the Consents and Preferences project.

Test Engineer/Developer

ANZ | November 2018 - November 2019 - Supported ANZ's Data & Analytics division's transformation by developing and optimising database test automation frameworks for Data Warehouses. - Built and optimised CI/CD pipelines using the OpenShift platform.

Senior Test Analyst/Developer

ANZ | October 2017 - November 2018 - Developed and supported automation frameworks and applications that enabled the organisation to deliver continuous customer value.

Associate Analyst Programmer/Agile Automation Tester

ANZ | September 2016 - October 2017 - Built and deployed test automation frameworks, and developed domain-specific applications to support feature development.

Technology Intern/Test Analyst/Developer

ANZ | February 2016 - September 2016 - Gained practical IT skills and real-world experience in banking, contributing to the Internet Banking and Online Store projects.

Full Stack Web Developer

Freelance | 2014 - Present - Provided web development services for personal projects and pro bono work for non-profit causes.

Education

Wellington Institute of Technology

Bachelor of Information Technology | 2014 - 2016

Music and Audio Institute of New Zealand

Certificate in Audio Engineering and Music Production | 2005

Certifications

- ICAgile Certified Professional in Test Automation (ICP-ATA)
- Cisco Certified Network Associate (CCNA) I-IV