

Curriculum Vitae - Vincent Dirks

Software Quality Engineer

As a versatile Software Quality Engineer, I aim to understand the nuances of the product, team dynamics, technological landscapes, and organisational structures so that I can adapt and contribute effectively. I specialise in adapting to diverse contexts, and look beyond traditional testing methodologies to consider the design of the whole quality ecosystem necessary for delivering quality software solutions efficiently.

Skills

Testing

<ul style="list-style-type: none">• Context Driven Testing• API Testing• Testing Native Mobile Apps• Testing Web Apps• Testing Firmware/Embedded Systems• Data Privacy	<ul style="list-style-type: none">• Testability & Observability Concepts• Exploratory Testing• Visual Modelling• Metrics Driven Development (A/B Testing)• Accessibility Testing
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Programming and Automation

Javascript	Java	Other
<ul style="list-style-type: none">• Node.js, npm• Express.js• React• Jest• Cypress.io• Webdriver.io	<ul style="list-style-type: none">• Maven, JUnit, TestNG• Cucumber (BDD)• REST-assured• Selenium• Page Object Models (POMs)• Tidal. Wave	<ul style="list-style-type: none">• C#: Specflow (BDD)• SQL & SSMS• Appium• XCUITest• GraphQL• C++: Arduino, ESP32

Tools

<ul style="list-style-type: none">• Splunk (log aggregation & analysis)• Postman, Newman• VS Code, IntelliJ, Visual Studio• Github, Bitbucket• Docker, Linux	<ul style="list-style-type: none">• Fiddler, Charles Proxy, Wireshark• Jenkins, Azure Devops (TFS), GCP• Bash & PowerShell scripting• Jira, Confluence, Zephyr Scale, XMind• SoapUI, ReadyAPI
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General

<ul style="list-style-type: none">• Banking and Finance Sector• AML/CFT Solutions• Online Auction Platforms• Vehicle Leasing systems• Platform Engineering• Staff Mentoring & Induction	<ul style="list-style-type: none">• Agile (Scrum, Kanban, SAFe, Squad Master)• Microservices Architecture• Manufacturing Resource Planning• Physics - Radar, Lasers, Fibre-optics• Electrical & Electronic Engineering
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Work Experience

Water Services Reform, DIA - Senior Test Automation Engineer (Nov-2023 - Jan-2024)

Skills: Java, Maven, Selenium, POM's, Tidal. Wave, IntelliJ, Web App Testing, Azure DevOps

Contracting through TTC Global. Test Automation team, Three Waters Project, developing a UI Automation suite in Java using the Tidal. wave Selenium automation library

Westpac NZ - Senior Automation Quality Engineer (Apr-2021 - Nov-2023)

Skills: Banking, API's, Mobile, Web, Observability, Accessibility, Microservices, Java, Cucumber, TestNG, REST-assured, Selenium, POM's, JavaScript, React, Jest, Linux, Docker, Event Queues, Appium, XCUITest, Charles Proxy, Jira, Confluence, Zephyr, Splunk, Platform Engineering, Jenkins, ADO

Roving Automation Quality Engineer, addressing testing and automation needs across multiple teams. Conducted testing and automation for mobile apps (Appium & XCUITest), a D365 web UI (Java, Selenium, POM's), and various APIs (Java, REST Assured). Also contributed as a platform engineer supporting Splunk, and developed a React web app for visualising test environments (Node.js, React).

FirstAML - Test Analyst (Oct-2020 - Mar-2021)

Skills: Postman, AML/CFT, Accessibility, Data Privacy, GraphQL, AWS

Quality coach for a startup company developing a ReactJS Web App for the AML/CFT (Anti-Money Laundering/Countering Financing of Terrorism) industry.

Weather Radar NZ limited - Weather Radar Systems Engineer (Jun-2020 - Oct-2020)

Skills: Weather Radar Systems, Electronics, Embedded Testing, Arduino

Retrofitted legacy weather radars with embedded Arduino micro controllers. Designed new electronics, PCB's, and maintained power waveguide systems, and performed signal analysis.

Grappler- Agile Quality Analyst (Jun-2020 - Oct-2020)

Skills: Postman, Newman, Google Cloud Platform, JavaScript, Node.js, Express.js

Developed a solution to run a Postman collection in GCP and a simple Web UI to trigger test runs and display HTML test reports.

Fiserv Auckland - Intermediate Software Test Engineer (Jan-2017 - Apr-2020)

Skills: Banking, Automation, API Testing, Mobile Testing, Accessibility, Observability, Postman, Splunk, JavaScript, Node.js, Express.js, C#, Specflow (BDD), SQL & SSMS, Fiddler, Jira, Confluence, Microsoft Test Manager, TFS, PowerShell

Native Mobile App functional and accessibility testing. API testing and automation, using Postman/Newman, Specflow with C#, Javascript, Splunk for dashboards, TFS & Powershell for System deployment automation. Created a Postman Testrunner Framework for automated API integration checks and environment health monitoring.

Trade Me - Senior Software Test Analyst (Dec-2014 - Aug-2016)

Skills: Context Driven Testing, Exploratory Testing, Agile, Testability, Accessibility, Observability, Jira, Confluence, DB, Web App, Mobile, API Testing, PowerShell, Splunk, ReadyAPI, A/B Testing, XMind, Onboarding, SQL & SSMS

Context-driven exploratory testing for software changes to the iconic Trade Me website, focussing on the Motors page & features. My responsibilities included testing DBs, UIs, APIs, and mobile apps, leading deployments, conducting test planning and peer reviews, utilising BDD and visual test tools. I gained experience with implementing agile methods, Splunk, ReadyAPI, XMind, Jira, and Confluence. I also enjoyed onboarding new staff and contributing to the test and agile guilds.