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Professional History

Kmart   **Melbourne**
Software Test Engineer   *September 2021 – Present*

- Quality Engineer for the customer account and identity team (MyAccount).
- Lead maintainer for Kmart Online's test automation and performance testing initiatives cross teams (MyAccount, Cart, Availability).
- Wired up the existing automation suite, to run tests within the Buildkite CI/CD pipeline and set up additional cron jobs to run the tests.
- Uplifted the sunsetted automation framework from synchronous Webdriver.io to asynchronous Webdriver.io: adding linting, logging, email testing capability, and all around improvements of the stability of the test suite.
- Currently, migrating functional tests to run against stubs. So far, greatly reducing test run time: 50 tests that took over 30 minutes to run down to 3 minutes.
- Currently, migrating the Jmeter performance tests to K6 to uplift the performance testing workflow

Typescript/Javacript | Github Actions | Jmeter/K6 | Webdriver.io | Wiremock | Docker | AWS

Two Bulls   **Melbourne**
Senior QA Engineer   *September 2019 – August 2021*

- Quality Engineer responsible for the test strategy, test creation, test execution and automation in agile environments for responsive web and native mobile applications.
- Provided DevOps support: created and maintained numerous CI/CD pipelines for native iOS and Android mobile applications and Game Engines.

QA Engineer   *May 2017 – September 2019*

- Responsible for test creation, execution and automation in both agile and waterfall environments on desktop and mobile based applications.
- Created a CI pipeline for a cross platform video distribution platform for the core, windows and native mobile application streams.
- Developed a script to install test builds for on-premise iOS and Android mobile devices for testing, greatly reducing the time to set up testing activities.

Javascript | Cypress | Appium | Github Actions | Jenkins | Gitlab | AWS

Featured Projects

Release.me - Web

- An off the plan real estate platform for developers and buyers.
- Developed an automation test suite using Cypress that ran as part of the CI/CD pipeline

Javascript | Cypress | Codepipelines

Scouts Australia - Web

- A digital web transformation to uplift the Scouts analogue paper system.

- Provided DevOps support: created a pipeline for running the regression automation test suite to support the teams ongoing automation efforts.
- Contributed to the ongoing development off the test automation suite.

Javascript   Cypress   Cloudformation   Codepipelines   Cloudformation   Lambda   S3   Cloudfront
Route53

Ufonik - Mobile
June 2021 – July 2021

- A tik-tok esque native mobile application designed for musicians and content creators.
- Developed a regression test suite including visual snapshot tests in XCUITest that ran as part of CI/CD
- Provided DevOps support: creating and maintaining the Buddybuild CI/CD pipeline for the iOS mobile app and integrated automation tests to run within the pipeline.

Swift   iOS   Buddybuild CI   XCUITest   Snapshot tests

21 Cricket - Mobile
May 2021 – June 2021

- A fitness and training mobile app focused on cricket for Michael Clark.
- Provided DevOps support: set up the code signing, created and maintained the CI/CD pipeline using Github Actions.
- Developed component widget tests in flutter.

Dart   Flutter   Github Actions   Fastlane

Service Victoria - Mobile
April 2017 – July 2021

- A mobile app to check-in throughout Victoria and securely store and share your identity including things like licences and permits.
- Provided DevOps support: created and maintained the Bitrise CI/CD pipelines, automating deployment of release builds to the Google Play and App store.

iOS   Android   Bitrise CI

Beyond Now - Mobile
Jan 2018 – September 2021

- Beyond blue's suicide safety planning app that assists you to create your own suicide safety plan; a plan to keep you safe when experiencing suicidal thoughts.
- Provided DevOps support: created and maintained the CI/CD pipeline for the iOS and Android native mobile apps.
- Developed the automation suite using Appium
- Created a smoke testing suite that ran on an AWS stack (Cloudwatch, Codepipelines, Device Farm) managed by Cloudformation templates.

Python   Appium   Buddybuild   Bitrise CI   Cloudwatch   Cloudformation   Lambda   S3   Route53
Codepipelines   Lambda   S3

Wiggles/Sesame Street Yourself/Oddbods oddlife - Mobile games
Jan 2018 – Dec 2018

- An engaging mobile Augmented Reality experience enabling children to sing and play along with their favorite screen characters.
- Provided DevOps support: created and maintained the CI/CD pipeline for the Game Engine team using Gitlab.

iOS   Android   Gitlab   Buddybuild CI   Bitrise CI   Locust   Terraform

Verizon Digital Kiosk - Embedded system
2017 – 2018

- Communications hubs that connect people to important and useful information - providing weather and emergency alerts, maps and local community information about transit, restaurants, businesses and events.
- Provided DevOps support: maintained the existing Bitrise CI/CD pipeline for the android applications developed for the Digital Kiosk.
- Developed a regression automation suite using bats (bash automation testing framework).
- Created a script to download test builds from Bitrise (CI) to install on the Digital Kiosk towers for testing, greatly reducing the set up time for regularly occuring testing activities.

Android   Bash   Bitrise CI

Vividas - Video Player SDK
2017 – 2018

- Cross platform video distribution and playback service for mobile and desktop.
- Provided DevOps support: maintaining the Jenkins build master and slaves and the CI pipeline to build the core video engine and the native iOS and Android mobile applications.
- Migrated away from the use of Jenkins jobs to using a declarative Jenkins pipeline that could be versioned controlled

iOS   Android   Windows app   Jenkins

Technical Skills

Programming Languages: Typescript/Javascript, Python, Bash, Golang, LaTeX
Test Automation: Webdriver.io, Playwright, Cypress, Cucumber, Supertest, Jest, Storybook, XCUITest, Appium, Wiremock, Axe
CI/CD Github Actions, Jenkins, Gitlab, Bitrise, Buildkite, Buddybuild, Bitbucket pipelines
Performance: Jmeter, K6, Locust, Lighthouse
Amazon Web Services (AWS): EC2, ECS, S3, IAM, Cloudwatch, Lambda, Cloudformation, Cloudfront, Route53, Codepipelines
Containers/IaC Docker, AWS CDK, Cloudformation
Quality: Test planning, Progression, Regression, Smoke/Sanity, UAT, PVT, Performance, Compatibility, Accessibility, User testing
API testing: REST, GraphQL
Monitoring: New Relic, Sumologic
Version control: Git, Github, Gitlab, Bitbucket
Development tools: Neovim, Tmux, Alacritty, Vscode
Operating Systems: Linux (Ubuntu, PopOS, Archlinux) macOS, Windows

Training and Certification

OWASP Appsec Day 2019   **Melbourne, Australia**
Web Hacking Essentials   *November 2019*

Education

RMIT University   **Melbourne, Australia**
B.S. Electrical Engineering/Commerce   *March 2012 – July 2017*