# **Brian Fung**

Melbourne, Australia

## **Professional History**

Kmart Melbourne

Software Test Engineer

September 2021 - Present

- Core tester for the My Accounts team responsible for the test strategy, creation, execution and automation for the account micro frontend app/service
- Quality chapter lead with the responsibility mentoring and guiding its members
- Lead proponent of Kmart Online's test automation framework and load testing framework

Two Bulls Melbourne

Senior QA Engineer

September 2019 - August 2021

- Lead tester responsible for the test strategy, test creation, test execution and test automation in both agile and waterfall projects for web and mobile based applications.
- Implemented an AWS test pipeline for Scouts to support the ongoing development team's test automation efforts.
- Developed an automated test solution as part of the Beyond Now support contract to test live builds for new iOS and Android OS releases.
- Created numerous in-sprint CI/CD pipelines for native iOS and Android applications, reducing time to manually create and distribute builds to internal and external stakeholders.

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.
- Implemented a CI/CD pipeline for a cross platform video distribution platform for the core, desktop and mobile application streams.
- Developed a script to install test builds on iOS and Android mobile devices, reducing manual test set up from 10 minutes+ to one minute.

Rohde&Schwarz Singapore

**Engineering Intern** 

November 2015 - Febuary 2016

- Developed a Wireshark dissector plugin in Lua for the EB500 Monitoring Receiver, to help troubleshoot issues in the development workflow.
- Worked with Senior Test Engineers to improve test automation scripts for the EB500 Monitoring Receiver and assisted in regression testing activities as part of firmware releases.

## **Featured Projects**

#### **Kmart Online**

September 2021 - Present

Kmart Australia and New Zealands online ecommerce web application serving millions of customers

### Scouts Australia

July 2021 - August 2021

A youth digital web platform to uplift the existing pen and paper Scouts system.

#### Service Victoria

April 2021 - July 2021

 A mobile app to check-in throughout Victoria and securely store and share your identity including things like licences and permits.

### 28 by Sam Wood

August 2020 - October 2020

 A fitness and nutrition mobile app to help people live their life better by bringing life-changing fitness and nutrition to every home.

#### Covidcare

Mar 2020 - April 2020

 A mobile app linking patients in self-isolation to doctors at the front-line of the Covid-19 pandemic, partnering with Melbourne University.

#### **Beyond Now**

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.

### **Althea Concierge**

March 2019 - April 2019

• A web and mobile app service that simplifies the medicinal cannabis application process for patients and healthcare professionals, making it easier for patients to access the support they need.

#### Sesame Street Yourself

September 2018 - December 2018

 An engaging mobile Augmented Reality experience enabling children to sing and play along with their favorite screen characters.

## Verizon Digital Kiosk

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.

## **Skills**

Languages: Typescript, Python, Bash, Swift, Kotlin, Lua, C++, LaTeX, Markdown

Test Automation: Webdriver.io, Cypress, Puppeteer, XCUITest, Appium, Browserstack, AWS Device Farm, Mailosaur CI/CD Jenkins, Gitlab, Github Actions, Bitrise, Buddybuild, AWS Codepipelines, Buildkite, Bitbucket pipelines, Docker

Performance/Load testing: Jmeter, Octoperf, Locust

API, Packet sniffer and network analysis: GraphQL playground, Postman/Newman, Charles Proxy, Wireshark

AWS: S3, Cloudformation, Cloudfront, Route 53, Lambda

Security tools: BurpSuite

Atlassian suite: Bitbucket, Jira, Confluence, Zephyr

## **Training and Certification**

**OWASP Appsec Day 2019** 

Melbourne. AU

Web Hacking Essentials

November 2019

## Education

**RMIT University** 

Melbourne, AU

B.S. Electrical Engineering/Commerce

March 2012 - July 2017







