

# Campbell Mercer-Butcher

Sydney, Australia

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## Work History

### **Macquarie Group – Senior Associate Software Engineer** (Full-time, 02/21 – current)

Java, Spring Boot, Typescript, Angular, AWS

Delivered end-to-end features and solutions for Digital Portfolio Manager, a portal for financial advisers to generate trading advice documents.

- Updated major versions of technology across Java microservices including reactive rewrite.
- Migrated angular component library and CSS framework, to align with the wider business.
- Partook in AWS cloud migration with CloudFormation IaC, increasing reliability.
- Met with clients, resolving issues and exploring new features.
- Performed releases and provided production support.
- Mentored and onboarded new team members.

### **Epex Ltd – Development Team Lead and Director** (Independent, 01/19 – 02/21)

Typescript, Express, React, PostgreSQL, Redis

Led development of an online residential property exchange. My responsibilities include architectural design decisions, project task board management, and communication with stakeholders. Certain complexities of the application, robust task scheduling, credit card payment, external API integration, and more, have required great technical aptitude.

### **Macquarie Group – Associate Software Engineer** (Internship, 11/19 – 02/20)

Java, Spring Boot, Solace, ActiveMQ, Openshift

Developed and deployed multiple microservices as part of a trading transformation initiative. At the end of the internship, I was the team's leading knowledge source of message queue integration, Bamboo deployment pipelines, Spring cloud configs and more.

### **MetaSwitch – Software Engineer Intern** (Internship, 11/18 – 02/19)

Python, Java, Groovy, InfluxDB, Grafana, Docker

Whilst at MetaSwitch, an international telecommunications software company, I developed software with the purpose of gathering, managing and visualizing telecommunication statistics. Using Grafana, all data could be accessed and displayed clearly and reliably.

### **University of Canterbury – Scrum Master and Tutor** (Part-time, 01/20 – 11/20)

Acted as a scrum master for development teams in a third-year project course. This required extensive software engineering process knowledge. I additionally tutored and graded the students.

## Projects

**My Moola** - Typescript, React native, Nest, Next, Socket io, Prisma, Firebase, AWS, Terraform

[campbellmb.com/projects#my-moola](http://campbellmb.com/projects#my-moola)

My Moola is Australia's first third-party banking application. Unifying the crowded financial landscape. My Moola required the creation of a banking API to read and write transactions on behalf of its users, a React native mobile application, and a React web app.

**LogiCraft (UC Hackathon winner)** - Python, Javascript, Flask, Vue.js

[github.com/logic-craft/LogiCraft](https://github.com/logic-craft/LogiCraft)

LogiCraft is a logic gate schematic design web application that converts the schema into a Minecraft (world-building game) world file. The goal is to help a younger audience learn about computer science in a more familiar context. Built in under 24 hours as a team of four.

**Sm Compiler** - Python, JVM Bytecode

[github.com/CampbellMBXJ/Sm-Compiler](https://github.com/CampbellMBXJ/Sm-Compiler)

'Sm' is a language designed to be compact, all reserved words are two characters. I built a scanner, parser and code generator which together output Java Assembly code to be run on a JVM.

**Enriched Text Grafana Plugin** - Javascript

[github.com/CampbellMBXJ/grafana-enriched-text-plugin](https://github.com/CampbellMBXJ/grafana-enriched-text-plugin)

A plugin for Grafana (open-source data visualisation tool) to template query data into an Html enriched text panel.

## Education

**University of Canterbury**

2016 - 2020

**Bsc with honours in Computer Science** - Graduated 2020

**Computer science STAR courses** - Completed 2016

## Hobbies and activities

Outside of working on projects in my spare time I also enjoy:

- Freediving
- Skiing
- Chess

**Referees available upon request.**

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