

# Connor Beardsmore

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · CURTIN UNIVERSITY

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## Education

### Curtin University

BSc IN COMPUTER SCIENCE, 90% CWA

Perth, Australia

2015 - 2018

## Skills

**Skilled** AWS, CloudFormation, Java, Docker, Git, CI/CD

**Comfortable** SRE, CQRS,DDD, Event Sourcing, Python, Typescript, Firebase, DNS, MySQL, REST APIs, Google Tag Manager

**Familiar** Javascript, C, C++, React, Dart, HTML, CSS, OpenCV, Flutter

## Experience

### Virtual Gaming Worlds

Perth, Australia

SOFTWARE DEVELOPER, GRADUATE SOFTWARE DEVELOPER

March 2018 - June 2019

- Full stack development on a networked gaming system of up to 5000 concurrent users running on AWS ECS and RDS.
- Implemented authentication via Auth0 JWTs with a domain-driven and event-sourced Java REST API as a backend
- Rebuilt AWS cloud infrastructure via CloudFormation and Sceptre, enabling new environments to be provisioned within 30 minutes
- Migrated infrastructure from EC2 to Docker containers on ECS with fully automated deployments allowing for CD
- Developed a User Account Statement feature through React, Redux, Java, REST APIs and utilization of JPA

### Optiver Asia Pacific

Sydney, Australia

SOFTWARE DEVELOPER INTERN

Nov. 2017 - Feb 2018

- Developed the port of a C++ server and associated client library, and implemented the library into 2 Auto-trader systems.
- Performed data analysis using Python Pandas within an ETL framework with a PostgreSQL database.
- Developed an analytics dashboard with a Javascript front-end working closely with the HKD1 trading team.

### Thales Australia

Perth, Australia

STUDENT SOFTWARE DEVELOPER

Mar. 2017 - Nov 2017

- Researched the viability of a serverless architecture using Amazon Web Services for a data analytics platform.
- Streamed data from a RESTful api with AWS Kinesis and performed data analysis via AWS Athena.
- Implemented an AngularJS frontend backed by AWS Lambdas and API Gateway.

### Curtin University

Perth, Australia

SESSIONAL ACADEMIC

Feb. 2016 - Feb 2018

- Tutor for 5 computing units covering Java, C, Unix, Operating Systems, Computer Graphics, Data Structures and Algorithms.
- Facilitated tutorial delivery, test invigilation and assignment marking for up to 200 students per semester.

## Extracurricular

### Computer Science Students Association

Perth, Australia

VICE PRESIDENT

Feb. 2017 - Nov. 2017

- Increased membership count to 300 through running of 20 annual events and liaising with Industry Sponsors.
- Managed 10 committee members and delegated task load to achieve Curtin Guild's People's Choice award for 2017.
- Organised exam revision sessions and delivered lectures for approximately 600 students in total.

## Projects

### SnapBounty - Android/iOS Photography App

Dart, Flutter, Firebase

- Android/iOS app developed in Flutter, published on the Google Play store.
- Utilizing Cloud Firestore as a NoSQL database, Cloud functions, and Google ML kit for image label detection.

### UpcomingEvents - Ubersicht iCalendar Widget

Coffeescript, jQuery

- An Ubersicht widget for Mac to display upcoming iCalendar events on the desktop.
- Developed in CoffeeScript and utilizing jQuery features with over 800 downloads.

### oosey - Property Profit Simulator

Java, JUnit

- A java program simulating property trading, implementing common software design patterns.
- Fully unit tested via JUnit and Mockito with CI employed via BitBucket Pipelines

## Awards & Certifications

2019 AWS Certified SysOps Administrator - Associate  
2019 AWS Certified Solutions Architect - Associate  
2019 AWS Certified Developer - Associate

2018 Japanese Language Proficiency Test N5  
2017 Curtin Vice Chancellors Honour Roll x 4  
2015 Curtin Science Excellence Scholarship