

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, Postgres, REST APIs, Serverless

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

Experience

Amazon

Seattle, Washington

‘ SOFTWARE DEVELOPMENT ENGINEER

Mar 2020 - Present

- Homepage Platform team, responsible for rendering all Amazon Homepage endpoints worldwide.
- Back-end development on a high-concurrency Java Spring application, serving hundreds of millions of requests a month.
- Specific focus areas in technical readiness, resilience and service readiness for Primeday and other high-velocity events.
- Implemented advanced preview mechanism enabling internal users to view the future “state” of Homepage content.

Virtual Gaming Worlds

Perth, Australia

‘ SOFTWARE DEVELOPER, GRADUATE SOFTWARE DEVELOPER

Mar 2018 - Mar 2020

- Full stack development on a networked gaming system of up to 5000 concurrent users running on AWS ECS and RDS.
- Developed a greenfield Java API and Postgres database for Slot games, reaching 940,000 spins in its launch week.
- 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.

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.

Projects

fined - SlackBot for managing Team Fines

Python, AWS, Serverless Framework

- SlackBot utilizing the serverless framework, deployed to AWS and backed by DynamoDB.
- Performed TDD via PyTest and deployed the Bot via Github Actions to the Slack App directory

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 1000 downloads.

Awards & Certifications

2019 AWS Certified SysOps Administrator - Associate

2018 Japanese Language Proficiency Test N5

2019 AWS Certified Solutions Architect - Associate

2017 Curtin Vice Chancellors Honour Roll x 4

2019 AWS Certified Developer - Associate

2015 Curtin Science Excellence Scholarship