

AIDAN DO

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SKILLS

- **Languages:** Java, Python, JavaScript, Typescript
- **Frameworks:** Spring, React, Node.js
- **Technologies:** AWS, Linux administration, Docker, SQL, PostgreSQL

WORK EXPERIENCE

Canva, Remote, Australia

Apr 2024 – Present

Software Engineer

- TBA

Semantic Sciences, Adelaide, Australia

Jan 2023 – Apr 2024

Software Engineer

- Built and maintained a Java application used by the National Health and Medical Research Council to allocate grants to 66 thousand researchers across Australia
- Fixed login redirection bug, **decreasing login startup times by 41.7%**
- Created and championed testing process detecting **62 defects** across three releases
- Implemented single sign-on, **preventing 12,960 insecure logins per year**
- Built API test harness leading to a 102% increase of integration-level tests

NQRY, Adelaide, Australia

Nov 2021 – Dec 2022

Software Engineer

- Built and maintained a **Java, Spring, and React** application to aid in criminal investigations
- Built integration test harness, increasing the number of integration tests by **312%**, **saving \$56,900 per year** in developer time
- **Mentored** 1 entry-level software engineer and 1 software intern providing guidance on technical skills, and professional development
- **Increased throughput** of a web service by **29.6%**, which processes 7 million objects per day
- Identified and **patched missing authorization checks** on key endpoints, patched 12 vulnerable dependencies and implemented 3 OWASP ASVS security controls, protecting against attacks that could cost the company hundreds of thousands of dollars

EDUCATION

University of Adelaide

2021

Bachelor of Software Engineering (Honours)

- 6.4/7 GPA

PROJECTS

Sorting Visualizer of Sorting Visualizers aidando.com/sort

- A widget that sorts other sorting visualizers by GitHub stars
- Built with Python, vanilla JavaScript, AWS Lambda, AWS S3, GitHub REST API
- Uses the Web Audio API to generate sorting sounds

Adelaide Housing Market Ticker aidando.com/ticker

- A Twitter/X bot that collates the latest Adelaide housing market data into one feed
- Built with Python, Docker, AWS Lambda, Twitter REST API
- Autogenerates choropleth maps of median house prices around Adelaide CBD