Mitchell Treeves

Contact

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Education

University of Technology Sydney

Bachelor of Engineering (Software)

(2019 – 2023)

WAM: 87.44

GPA: 6.47 / 7.00

Technical Proficiencies

- Java
- C++ and C
- Typescript and JavaScript
- SQL

Referees

David Clark

Software Engineering Manager

Google

0413 055 425

Simon Zinsli

Senior Manager

Macquarie Group

0405 809 946

Work Experience

Software Engineer

Clearbox Systems Pty Ltd

June 2021 - Currently Employed

- Completed complex coding tasks for an application which had a Java/PostgreSQL back-end with a TypeScript front-end using Angular.
- Reduced the time of API calls in the application by optimizing database queries with more efficient table joins and database triggers. The most notable performance increase was with a query being reduced from 30 seconds to less than 100 milli-seconds for a query.
- Improved the reliability of the product by optimizing core functionality for the application using database caching for static data and implemented bug fixes which led to increased customer satisfaction.
- Created important application release documentation (SVDs) and performed on-site software installation with our client and other engineers for 4 releases of the application.
- Worked alongside the Head of Engineering to plan advanced technical software configuration changes for devices such as satellites, modems, and switch devices.
- I gained experience in inducting, mentoring, and managing new software developers in my project team.

Casual Academic Tutor

University of Technology Sydney

February 2021 - November 2021

- Tutored classes for 4 different subjects in Autumn session:
  - o Data Structures and Algorithms
  - o Software Engineering Studio 1A
  - o Programming Fundamentals
  - o Applications Programming
- Lectured, tutored, prepared materials, and marked for 2 subjects in Spring session:
  - o Software Engineering Studio 1A
  - o Data Structures and Algorithms