Laurence Qi

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JUNIOR SOFTWARE ENGINEER

Details

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Links

laurence-qi.com

github.com/impetusdev

linkedin.com/in/laurenceqi

Skills

Abstract problem solving

Communication

Leadership

Adaptability

Time management

Languages & Frameworks

TypeScript & JavaScript

NestJs

React.js

MongoDB

PostgreSQL

Python

Education

Bachelor of Engineering & Bachelor of Business, University of Technology Sydney
FEBRUARY 2017 — DECEMBER 2023

A comprehensive course on engineering design thinking and economic theory. Received the Dean's List award for outstanding academic achievement in 2019.

Software Engineering Immersive, General Assembly Sydney
DECEMBER 2021 — MARCH 2022

An intensive coding course on programming fundamentals and full stack engineering.

Employment History

Software Engineer at Qwilr
JUNE 2022 — CURRENT

- Contributed to the MERN stack with a focus on expanding the integration capabilities in a new Microservice
- Building out the Observability stack with Tracing & general SRE practises

Instructor Associate at General Assembly
APRIL 2022 — JUNE 2022

- Management and mentoring of 25 students in their budding software engineering careers
- Debugging, advising and code reviews for student projects

Head of Business Development at L2B Engineering,
DECEMBER 2019 — NOVEMBER 2020

- Modelled the business's financial projections using Discounted Cash Flows
- Managed communications with clients, advisors, and accountant

Business Director at UTS Motorsport Electric
AUGUST 2018 — DECEMBER 2019

- Built up and led a six-person cross functional team
- Managing purchases and budget totalling $100,000

Software Engineering Projects

Metaverse Fighting Championship   (Demo) (GitHub)

A full stack NFT fighting project in which I collaborated with 2 other group members. It allows users to mint unique fighters that participate in tournaments to win prizes. Below are the aspects of application I contributed to:

- Designed with a Back-End tech stack of MongoDB, GraphQL, Node.js & Apollo
- Used React with TypeScript & Apollo Client in Front-End design
- Deployed unit tests with Mocha & Chai

Unleashed   (Demo) (GitHub)

A dog walking application that serves as a marketplace for both walkers and dog owners to connect and track their locations. Capable of using both real time & mocking the walker's location data. Below are the aspects of application I contributed to:

- Used Ruby On Rails to develop the bulk of maps & user walking logic
- Used Rails ORM to structure and populate relational database PostgreSQL
- Utilised Google Maps APIs for geolocation calculations