RUSSELL BLOXWICH

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WORK HISTORY

Coalesce

Auckland, New Zealand
May 2024 - Present

Senior Software Engineer

This role involves building out new functionality in a complex local-first front end using React, Typescript, Antd, SCSS, and Firestore. It also involves investigating and resolving redux performance issues, migrating from Firestore to PostgreSQL, and refactoring tightly-coupled legacy implementations.

MATTR

Auckland, New Zealand
Apr 2022 - May 2024

Senior Software Engineer

This role involved supporting a newly introduced eventing system, developing internal code generation tooling and libraries for events (TypeScript, Protobuf, Kafka), optimising for Kafka infrastructure costs, and with my team building a new external platform global control plane management API service (TypeScript, NodeJs, Express, Knex). As a code owner, I am responsible for maintaining the quality of the codebase. I was a SME for eventing in this role.

Spidertracks

Auckland, New Zealand
Oct 2021 - Apr 2022

Senior Full Stack Software Engineer

This role involved extending the functionality of a javascript-based legacy React + Redux application and migrating it to TypeScript. This role also included the implementation of new Node JS express API endpoints to deprecate and expand existing Spring-based endpoints.

Fisher Funds

Auckland, New Zealand
May 2021 - Oct 2021

Intermediate Full Stack Developer

This role involved developing new customer on-boarding forms using Gatsby 4 and TypeScript for frontend. The backend used Mulesoft and Salesforce. Whilst in this role, I investigated and promoted new and existing observability tools such as Dynatrace & Datadog.

Kete Kai

Auckland, New Zealand
Mar 2021 - May 2021

Intermediate Full Stack Developer

I briefly returned to Kete Kai between roles to assist with technology I helped build previously, and delivered a new internal tool to reduce weekly operational overheads using React, TypeScript, MongoDB and Serverless (NodeJS + TypeScript).

Laminar

Auckland, New Zealand
Oct 2020 - Mar 2021

Intermediate Full Stack Developer

This role involved developing a market-making financial services software for cryptocurrency using React, Redux, Recoil, and AWS in TypeScript. The backend work involved using docker, EC2, Serverless, React, AWS, uWebsockets, Node JS, and the Web3 JS API.

Kete Kai

Auckland, New Zealand
Nov 2019 - Oct 2020

Junior Full Stack Developer

This position involved designing and developing a message driven architecture on AWS using SNS, QLDB, DynamoDB, Lambda (TypeScript), SQS, API Gateway, the Serverless Framework and Epsagon (Observability tool). QLDB is used for databasing to provide intrinsic event sourcing behaviour. This role also involved the development of internal tools built in React with TypeScript that communicate with a backend via SocketIO websockets. We used Azure DevOps for our repositories, artifacts, and pipelines.

Shwoop

Auckland, New Zealand
Jun 2019 - Nov 2019

Junior Full Stack Developer

This role involved developing an iBeacon based alternate reality game using React Native (TypeScript) and a REST API using AWS tools including Lambda and DynamoDB.

QUALIFICATIONS

Auckland University of Technology

Auckland, New Zealand
2023 - 2024

Graduate Diploma

Level 7 Qualification in Mathematical, Computer and Information Science.

TECHNICAL SKILLS

- Typescript
- PostgreSQL
- MongoDB
- Javascript
- Protobuf

- Express
- Knex
- React
- Apache Kafka
- AWS Common Services

COMMUNITY & VOLUNTEER EXPERIENCE

Auckland, New Zealand
Oct 2023 - Present

Mentor

I mentor a capable software engineering student in matters of code quality and engineering practice.

Hackathons

Auckland, New Zealand
Jun 2020 - Present

Attendee & Event Organizer

I regularly participate in hackathons, and assist in organizing them. I organize Terrible Ideas (https://terriblehack.com/) in Auckland as of 2025.

- Govhack 2022, 2023
- Kiwijam 2021, 2022, 2023
- Terrible Ideas 2021, 2023, 2024, 2025

REFEREES

Referees available on request.