



Rowan Carmichael


Senior Frontend Engineer


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Skilled frontend engineer with a passion for creating innovative, efficient and easy to use web applications. A confident communicator and critical thinker with an inquisitive personality who always keeps the best usability experience in mind. While at the moment I am primarily focussed on React, I thoroughly enjoy the challenge of solving new problems and am always striving to try new solutions and learn new skills

I take great pride in seeing a project all the way through from ideation with designers and project managers, to architectural planning with frontend/backend devs, to implementation, release, and maintenance, all while producing a thoroughly tested and high quality codebase

SKILLS / FAVOURITE FRAMEWORKS

JavaScript (ES6+)

TypeScript

HTML5

CSS3 / LESS / Sass / CSS Modules

CSS-in-JS (Styled Components / Emotion)

Git / BitBucket

Node (Express)

React

Redux / Context / MobX

Hooks

Jest / Mocha / Chai / Enzyme

Storybook

Selenium

ESLint

WORK EXPERIENCE

Senior Frontend Engineer

Factor5 Software

September 2018 – Ongoing

Lead frontend engineer on product team 'Lifecycle'. Worked closely with designers, frontend/backend developers, product managers and testers in a high-performing agile (both Scrum and Kanban) team environment

Have taken several Single-Page Applications from inception, through planning and design, to development, release and post-release iterations/maintenance. Projects included a highly customisable dashboard which served as the landing page for university curriculum planners, a task allocation and management system, and a new conceptual approach to moving university courses through a workflow before getting accepted and implemented

Main contributor to component library used for all frontend projects across the different product teams in the company

Utilised as a senior frontend presence in planning stages for other product teams. In particular projects which had heavily time critical deadlines where creative solutions and accurate estimations were paramount

React Frontend Engineer

EROAD Limited

February 2016 – September 2018

Tasked with leading, co-developing and maintaining the frontend for five new SaaS projects related to driver health & safety, reports/auditing, and vehicle maintenance/compliance. All within a continuous delivery environment

After completing the first major React project in the mobile team; personally received the EROAD 2017 CEO Award and helped the team achieve the EROAD Q1 2017 and the Q4 2017 Engineering Team Awards

Taught/mentored four developers learning React and organised several workshop presentations defining development best-practices and standards for React frontend across the company

Created and maintained unit, component, UI and end-to-end level tests for all frontend code I wrote which helped our team consistently have the lowest bug rate out of all product-based development teams in the company

Worked closely with backend developers, UI/UX designers, product managers and testers in an agile development environment utilising both Scrum and Kanban methodologies. Includes time as a Scrum (Kanban) master

Web Developer

Opus International Consultants Limited

March 2015 – November 2015

Worked part-time in a team of three developers, creating a real-time mobile web app hazard management system as a university industry project

Computer Science Lab Demonstrator

University of Auckland Computer Science Department

March 2015 – November 2015

Assisted undergraduate students with computer science related questions for practical assignments and tutorials

EDUCATION

Bachelor of Technology (Honours) Specialising in Information Technology

University of Auckland

March 2012 – November 2015

HOBBIES / INTERESTS

Outside of work I like to live a lifestyle of balanced mental and physical wellbeing. I do my best to keep active playing competitive ultimate frisbee (up to the national level), yoga, gymming and hiking. To relax and unwind I like to play piano, cook, and I am an avid gamer (both PC and board/card games - my favourite being strategy games)