

Alexander Nicholson

SOFTWARE ENGINEER • PENULTIMATE YEAR STUDENT

Auckland, New Zealand

(+64) 021 084 14431 | alexn400@gmail.com | alexn.me | alexn400 | alexn400

Education

Bachelor of Engineering (Honours) | The University of Auckland Mar 2019 – Present
Specialising in Software Engineering

- Cumulative GPA: 8.75
- Deans Honours student 2020 & 2019 – Within top 5% of my cohort
- First in course award 2020 – SOFTENG 254 Quality Assurance

Microsoft Certified: Cloud Fundamentals Issued Apr 2021

AWS Certified Cloud Practitioner Issued May 2021

Work Experience

Software Engineer | EasyRent.nz May 2021 – Present

- Managing and overseeing all technical aspects of the start-up including software development, analytics, cloud infrastructure and security.
- Leading a team of developers to build an online platform that allows students to find short term accommodation. This involved working closely with the founder to take business requirements from design to implementation while working within budget and time constraints.
- Responsible for architecting and implementing cloud infrastructure on AWS across a wide range of services

Developer | Rubber Duck Tutors Mar 2021 – May 2021

- Developed a react app for a new student platform that integrates with other services such as google classroom and Acuity Scheduling to significantly enhance their digital learning experience
- Setup and managing cloud infrastructure on Firebase to implement a serverless approach
- UI & UX design to ensure the app matched the feel of the company's existing digital presence

Intern Developer | My Food Bag Nov 2020 – Feb 2021

- Worked in an agile team alongside 8 other developers to deliver the multi-week promotions feature, which drove the average number of deliveries for participating customers up by 50%.
- Worked within a large existing codebase using .Net (C#), SQL, Typescript and React
- Developed a new section of the company's admin web app. This involved working with the marketing and customer care teams to source requirements and feedback to continually refine the design

Skills

DevOps - AWS, Firebase, Azure, Git, Travis CI, Octopus Deploy

Languages - Typescript\JavaScript, Java, .Net (C#), SQL

Front-end - React, Next.js, Redux, SASS, Gatsby, jQuery

Design - Photoshop, Adobe XD, Figma, Blender

Projects

Developer | Quinzical Jun 2020 – Nov 2020

<https://alexn.me/projects/quinzical>

- Developed an educational quiz-based New Zealand trivia game designed to engage a young-adult audience. This was built using Java, JavaFX and Gradle and featured a multiplayer trivia mode.
- Worked in a 3-person team to deliver multiple iterations of the project to clients
- Responsible for creating all the artwork and animations for the game, as well as the UI to provide an engaging experience that matched our target audience
- Designed and implemented a customisable avatar system to increase players investment in the game

Referees available upon request