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## EDUCATION

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**The University of Auckland**  
Bachelor of Engineering (Honours) - **Software Engineering**  
Grade: **A/A+**  
2023 Dean's Honour List

**2022 – Present**  
**Studies End Nov 2025**

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## EXPERIENCE

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### Spark NZ

Software Engineer

**Feb 2024 – Present**

- Continued work developing and maintaining automated test cases.

### Spark NZ

Software Engineering Intern – Test Automation

**Nov 2023 – Feb 2024**

- Delivered over **40 automated, end-to-end test scripts** to production.
- Designed and deployed an **Azure Power App** to display test results from an **Azure storage container**.
- Collaborated with **QA engineers** and **manual testers** to automate tests cases using **Playwright**.
- Designed and managed test data using **Microsoft SQL Server**.

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## PROJECTS

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### TrackTrekker – Song Suggester (*React, TypeScript, Spotify API*)

<https://alux444.github.io/tracktrekker/>

- Developed and deployed the application, built on TypeScript React with the Spotify API.
- Utilised CI/CD and Agile practices to collect stakeholder feedback, creating an ongoing feedback loop for improvement.
- Incorporated Cypress into my CI/CD Pipeline for end-to-end testing, ensuring functionality.
- Collaborated with a UX design student to overhaul and refine the design of the application.

### KiwiMart – Full-Stack E-Commerce Store (*React, Firebase, Tailwind*)

<https://alux444.github.io/online-store/>

- Successfully planned and managed the project in a team of 3.
- Integrated the communication of the Firebase backend to the React frontend.
- Implemented the functions allowing for CRUD operations via the admin dashboard.
- Automated the deployment of the project through GitHub Actions.

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## EXTRA CURRICULARS

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### Software Engineering Student Society (SESA)

Executive – Industry Lead

**Oct 2023 - Present**

- Student elected role for a club of over 350 active members, with an executive team of 16.
- Led a small team in organising industry related events for the software engineering cohort.

### SESA Student Mentor

**March 2023 - Present**

- Provided guidance to software engineering students of my junior cohort as a mentor.

### Deloitte STEM Connect Virtual Experience Program

**July 2023**

Participated in a program to experience real business problems and develop practical skills in the industry, including:

- Programming, Development, Data Analysis and Cybersecurity.

### Store Assistant at Pak'nSave

**Jan 2022 – Nov 2023**

- Assisted customers and maintained store standards.
- Managed and delegated tasks to teams of up to 5.

### DEVS Hackathon

**July 2023**

- Created a social media app marketed towards fitness enthusiasts in a team of 3 in under 48 hours.
- Was responsible for the full planning, development, and deployment of the application.

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## TECHNICAL SKILLS

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**Languages** - Java, TypeScript / JavaScript, Python, SQL

**Tools** - React, Playwright, Firebase, NodeJS, Tailwind, Microsoft SQL Server, Splunk

**Other** - CI/CD, Git, Docker, Kubernetes, Agile, Linux

**Cloud** – Azure, Power Platforms, Dynamics365

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## INTERESTS

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Lifting, calisthenics, bouldering, fine art, parkour.