Jason Xavier

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Career Objective

I am focused on **full-stack development** and bring a strong **product mindset** to fast-paced environments.

I value problem-solving and innovation, clean and maintainable code, and working collaboratively to that end. I am motivated by my desire to grow as an engineer, and am keen to contribute to a culture built on learning and transparency. On the whole, I want to deliver impactful solutions in a cross-functional environment.

Education

Bachelor of Engineering (Honours) in Software Engineering
University of Auckland
2021 - 2024

- GPA: **7.4 (A/A- average)**

- Dean's Honours List 2022 - **Top 5%** of Engineering Students

- Dean's Honours List 2021 - **Top 5%** of Engineering Students

Experience

Software Engineer - SmartTrade software solutions
July 2025 - Current

- Aided in migrating their mobile platform from **Xamarin.Forms** to **.NET MAUI**.

- Reverse engineered undocumented APIs using Postman to create **MCP** servers for internal development workflows.

- Designed an internal RAG system to enable natural language querying for over 2000 forms.

- Utilized **C#, TypeScript, Azure, and Node.js**.

Software Engineer Intern - SMX Email Cyber Security Experts
November 2022 - February 2023

- Worked in a cross-functional team (data scientist, CS graduate) to build a data analytics platform;

- Ran weekly company-wide demos and incorporated key feedback from executives.

- Utilized **React, TypeScript and Node.js** on a production level.

Teaching Assistant - The University of Auckland
Feb 2024 - November 2024

- Teaching assistant for COMPSYS 201, SOFTENG 281, SOFTENG 206 and ELECTENG 101

- Invigilated tests and exams, marked assignments, and provided feedback to students

- Ran weekly laboratories where I helped **debug assignments** and clarify technical concepts

Software Development Team - Microsoft Student Accelerator New Zealand
April 2023 - November 2024

- Worked in a team of three to manage the software side of the program, taken by **150** students
- Took ownership of building the curriculum for learning front-end development (**Typescript, React**)
- Led weekly office hours to aid students completing a full stack web development project, on a drop-in basis

Events Coordinator - UoA Web3 club
September 2025 - Present

- Founding member of the University of Auckland Web3 club.
- Managed logisitics for events with 50+ attendees.

Technical Skills

TypeScript, React, Node.js

- Proficient in **TypeScript** and production-level full-stack development with **React** and **Node.js**. Gained extensive experience in my internship and current role.

Databases

- Foundational knowledge of **SQL** and **NoSQL**; used SQL in coursework and projects.

Cloud & deployment

- Exposure to cloud deployment (e.g. **Vercel**, GitHub Pages) for web applications.

C++

- Gained experience in C++ through embedded engineering electives and several university projects.

Other languages and tools: R, Java, Python, C#, Lua, VDHL, MATLAB, SCCharts, AHK

Project Experience

Student Course Review   https://github.com/jxav22/student-course-review

- Course review website for the University of Auckland; hosts reviews for **7,340** unique courses, meeting the needs of **43,148** students.
- Designed for scalability and cost-effectiveness (runs for free indefinitely); deployed on **GitHub Pages**.
- Implemented with **React, TypeScript, Next.js**.

Portfolio   https://github.com/jxav22/Portfolio

- Personal portfolio; implemented with **React, TypeScript, Next.js**; deployed on **Vercel**.

Snake   https://github.com/jxav22/Snake

- A recreation of the classic game of snake
- My focus was on writing highly optimized, modular, and efficient code - utilizing my knowledge of **algorithm design** and **SOLID principles**

Interests

I have a love for drawing and enjoy making digital art. I also play **a lot** of board games; my current favourite is "7 wonders duel".