

Frank Ji

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WORK EXPERIENCE

Developer | Mitre 10 | Feb 2024 - Present

- Developed and maintained the B2C eCommerce storefront using Angular and SAP Composable Storefront (Spartacus), building reusable, responsive, mobile-first UI components shared across multiple site modules.
- Implemented advanced state management using RxJS with optimistic updates and error recovery.
- Tuned Algolia search across product and category pages, significantly improving relevance.
- Boosted organic visibility through SEO optimisation and Core Web Vitals improvements.
- Integrated multiple third-party services, including address autocomplete, email verification, personalisation, and analytics.
- Applied AI-driven development lifecycle (AIDLC) practices to accelerate feature delivery.

Full-Stack Software Engineer | CentraPass | Jan 2022 - Jun 2023

- Built responsive web apps using React, Material-UI, and TypeScript across multiple product lines.
- Contributed to a decentralised metaverse platform using Next.js with blockchain integration.
- Designed NestJS REST APIs backed by MongoDB and PostgreSQL for core business logic.
- Implemented AWS Lambda and Cognito for serverless auth and cloud workflows.
- Contributed to company-wide reusable component libraries and shared utilities.

Graduate Teaching Assistant | University of Auckland | Jul 2023 - Nov 2023

- Supported final-year CS students with .NET, front-end development, and Python (Flask).
- Reviewed and marked student submissions with written feedback.

Tutor | YouTutor | Aug 2023 - Nov 2023

- Tutored CS students in Object-Oriented Programming (Java) and Discrete Mathematics.

Software Engineer | University of Auckland | Nov 2021 - Dec 2021

- Maintained a static website using Jekyll, HTML, CSS, and JavaScript.

EDUCATION

Bachelor of Software Engineering (Honours) - First Class - University of Auckland

- Summer Research Scholarship, 2023-2024.
- Dean's Honours List, 2021.
- Multiple First-in-Course Awards.
- New Zealand Programming Contest: 1st Place (2021), 3rd Place (2022).
- Mentor, UoA IEEE Student Branch Mentor-Mentee Programme (2023).

CERTIFICATIONS

AWS Certified AI Practitioner - Amazon Web Services Jun 2025 - Jun 2028

References available upon request.