

**Danny Yang** Full Stack Engineer | Building customer-loved products with React, Node.js & AI

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## Professional Summary

Passionate **Full Stack Engineer** with 6+ years' experience designing and shipping customer-focused web applications using **React, Node.js, and TypeScript** on **AWS**. Known for turning complex ideas into intuitive, high-impact products through rapid prototyping and iterative experimentation. Excited by the challenge of building tools users genuinely love and pushing the boundaries of what's possible with **AI-powered development**. Thrives in lean, collaborative teams that move fast, learn constantly, and ship meaningful results.

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## Technical Skills

- **Languages & Frameworks:** JavaScript, TypeScript, React, Next.js, Node.js, Bun.js, Express, Fastify
- **UI & Styling:** HTML5, CSS3, SASS, Bootstrap, Tailwind, Shadcn, MUI
- **State Management & Forms:** Redux, Zustand, Context, React Hook Form, Zod
- **Web Services:** RESTful API, GraphQL, Apollo, Microservices, Postman, Swagger
- **Databases:** PostgreSQL, MySQL, MongoDB, SQL Server
- **Cloud & DevOps:** AWS, Google Cloud, Azure, Firebase, CI/CD, Docker
- **AI Tools:** LLMs, RAG, MCP, Agents, Vibe Coding, Cursor, OpenAI, Claude Code, Gemini, Copilot, Spec Kit
- **Testing:** Jest, React Testing Library, Vitest, End-to-End (Playwright) Testing
- **Dev Tools:** npm, Vite, Git, GitHub, Jira, Slack, Trello
- **UI/UX:** Figma, Canva

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## Professional Experience

**Web Developer & IT Support (Volunteer)** | Side By Side Advocacy | 05/2021 - Present

- Redesigned and rebuilt the organisation's website from the ground up using **React + TypeScript**, creating a modern, accessible, and responsive user experience.
- Leveraged data-driven **UI/UX** improvements and performance optimisations, increasing user engagement by **40%** and enhancing donor conversion rates.

- Implemented and maintained a secure, scalable infrastructure on **Azure**, featuring MFA, Azure Active Directory, and Domain Services.
- Collaborated cross-functionally to test and iterate new digital content flows, supporting growth and engagement initiatives.

#### **Full Stack Developer | Hiper Pty Ltd | 04/2014 - 07/2022**

- Built and scaled a **React + Node.js microservices B2C** eCommerce platform that became the company's primary revenue engine—owning features from design to production and optimising performance to deliver a faster, smoother customer journey.
- Engineered and consumed **REST APIs** within **microservices** infrastructure on **AWS**, collaborating with backend teams to ensure efficient and scalable data flow for the user interface.
- Integrated **MongoDB** and **PostgreSQL** within **microservices** for scalable data storage in feature prototypes, improving query performance and flexibility.
- Championed code quality by introducing a comprehensive automated testing strategy with **Jest** and **Playwright**, increasing test coverage from 50% to **90%**.
- Engineered and optimised critical application services such as **Lazy loading**, **Virtualisation** and **Optimistic Update** into the project, reducing user-facing latency by 40%.
- Collaborated within a cross-functional team using **Agile/Jira** methodologies, ensuring alignment with strategic business goals.

#### **System Administrator | Enovo Pty Ltd | 02/2011 - 04/2014**

- Monitored and maintained a **B2C** eCommerce website built on **.NET** and **SQL Server**, reducing crashes and downtime by **20%**.
- Provided on-site and remote technical support to staff and customers, ensuring system security, availability, and optimal performance.

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## **Education**

**Master of Information Technology | University of Technology Sydney | 2009 - 2010**

**Bachelor of Information Technology | University of Newcastle | 2006 - 2008**

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## **Certifications**

**Software Programming and Data Modelling | TAFE NSW | 2024**

**Google UX Design | Google | 2023**