

# Malin Kankanamge

Software engineering · Product delivery · Technical leadership

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Software engineer with experience taking products from early architecture into production, spanning backend and frontend systems, cloud infrastructure and organisational security. First engineering hire at TMRW Health, helping build the healthcare platform and engineering practices as the company grew from idea to seed stage to scale up. Earlier experience includes leading infrastructure transformation, coordinating technical delivery and managing delivery risks at Commonwealth Bank and Macquarie Group.

## EXPERIENCE

### Software Engineer · TMRW Health

Apr 2025 - Present

First engineering hire · Sydney

- Co-led the ground-up platform rebuild with the founding engineer, replacing an early Rails prototype with a full-stack TypeScript healthcare platform serving paying members and clinical teams.
- Shaped core architecture and technology choices across Express, PostgreSQL, Drizzle, authentication and clinical integrations; built foundational backend systems and AWS platform.
- Owned delivery of the member-facing Next.js application from designs through production, including onboarding, health-history collection, documents, appointments, results dashboards and care plans.
- Designed and built the ecommerce platform and led product and technical design for prescription purchasing, translating clinical and commercial requirements into consultation, approval, eligibility, payment and subscription workflows.
- Built clinical-operations tooling for automated clinician assignment, workload management and scheduling, alongside integrations with Cliniko, Cal.com and Stripe and the platform's initial AI-chat service.
- Introduced shared Claude Code plugins, reusable skills and engineering workflows across the team; contributed to engineering practices and a supportive culture as the team grew from two to seven engineers.
- Lead the company-wide ISO 27001 programme, with certification targeted for Nov 2026: established the information security management system and Vanta implementation, and drive risk assessment, policies, control improvements and audit preparation.
- Own business continuity and disaster recovery planning, and coordinate security improvements and awareness training across the organisation alongside product engineering responsibilities.

### Freelance Software Developer · Moondog Studios

Nov 2024 - May 2025

Web, mobile and AI projects · Sydney / New York

- Executed comprehensive testing of frontier AI models in simulated environments to evaluate performance on complex multi-step tasks involving web navigation, cryptocurrency handling and server deployments, among other goal-oriented tasks.
- Transformed the client's iOS app 'Eyeball' from a slow-to-iterate-on low-code based solution into a robust React Native application with dedicated backend, advanced web scraping capabilities, AI-powered content insights, and comprehensive user analytics through PostHog. Leading to eventual acquisition by a media company.
- Worked on AI-powered chat features for NYC based AI-identity startup Plastic Labs

Software Engineer · Fractal Tech

Aug 2024 - Dec 2024

Brooklyn, New York

Best AI Engineering accelerator in NYC. Built and deployed 10+ full-stack web, mobile and AI applications during an intensive period of hands-on engineering, progressing into contract work for New York startups.

Career break

Jun 2023 - Aug 2024

Travel, writing and independent study in AI and software.

Technology Transformation Lead · Commonwealth Bank

Aug 2020 - Jun 2023

Infrastructure transformation · Sydney

- Led a programme of storage and backup optimisation initiatives targeting \$20 million in savings, identifying opportunities and driving projects through delivery.
- Partnered with Finance to track realised savings and report financial benefits, progress and delivery risks to executive leadership.
- Scoped and coordinated technology modernisation across contractors, developers and infrastructure teams, including compliance reporting and cloud transformation planning.

Infrastructure Transformation Lead · Macquarie Group

May 2018 - Aug 2020

Global technology infrastructure · Sydney

- Delivered technology insourcing and modernisation initiatives, including the global insourcing of enterprise voice services from AT&T.
- Coordinated technical requirements, vendors and stakeholders across infrastructure projects and regulatory obligations in multiple jurisdictions.

Network Engineer · Macquarie Group

Dec 2016 - May 2018

Voice and network engineering within enterprise IT infrastructure.

TECHNICAL SKILLS & PRACTICE

|                         |                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Engineering             | TypeScript, JavaScript, React, Next.js, React Native / Expo, Node.js, Express, Python                                     |
| Data & infrastructure   | PostgreSQL, Drizzle, Supabase, AWS, Docker, Vercel                                                                        |
| Testing & observability | Vitest, Playwright, Sentry, PostHog, Langfuse                                                                             |
| Integrations & AI       | Auth0, Stripe, Vercel AI SDK, Claude Code tooling                                                                         |
| Security & resilience   | ISMS development, ISO 27001 readiness, risk management, business continuity, disaster recovery, Vanta, security awareness |

EDUCATION

Master of Commerce · Business Information Systems

2015 - 2017

The University of Sydney

Bachelor of Science · Neuroscience

2010 - 2013

The University of Sydney