

Matthew B.

AI Platform Software Engineer

Melbourne, Australia | [LinkedIn](#) | [GitHub](#) | [Website](#)

Full-stack engineer with 7+ years building production AI platforms, including Sitemate's Storm (10,000+ companies) and LRQA's EiQ One. Specializes in agentic systems, GenAI, and end-to-end platform ownership.

Also just a husband and future dad trying to provide the best for his family.

EXPERIENCE

Entrepreneur May 2026 — Jun 2026
City of Melbourne *Melbourne, VIC*

Selected into the 2026 Melbourne Migrapreneurs cohort, a City of Melbourne startup program delivered with Catalysr and Arctic 90 for migrant, refugee and international-student founders building in Melbourne.

Comprises of eight weekly masterclasses at Stone & Chalk Melbourne, fortnightly 1:1 coaching with the Catalysr team, and the national Catalysr community of 1,000+ migrapreneurs and mentors.

Full Stack Engineer, AI Platform Jan 2026 — Present
Sitemate *Melbourne, VIC*

Owns frontend architecture and integration for Storm, Sitemate's agentic AI platform serving 10,000+ companies. Shipped new agent capabilities end-to-end including document and video analysis. Led a refactor of the agent event contract across 3 teams and reduced new-engineer ramp-up to one day through documentation and onboarding videos.

Full Stack Developer Sep 2024 — Dec 2025
LRQA *Hong Kong SAR*

Shipped a GenAI MVP (EiQ One, an AI chatbot over supply chain data) in 1 month with a 4-person team. Developed and optimized data flows handling 85M+ data points with error rates below 0.5% per 1M requests. Raised test coverage on EiQ to 80% through structured testing, feeding findings into product decisions.

Founder & Lead Software Engineer Mar 2024 — Feb 2025
Cognex *Hong Kong SAR*

Founded an independent software consultancy and built full-stack English test-preparation software in Golang. Ran all company operations as founder.

Lead Software Engineer (Frontend) Dec 2022 — Apr 2024
The OK Trade Organisation *Hong Kong SAR*

Developed and maintained an AI-powered supply chain SaaS platform. Helped push the company past break-even for the first time in June 2023 by working directly with UX and sales. Managed and mentored a junior frontend engineer through technical design and code reviews. Led development of object-detection software for a HK\$500k construction project using Python and YOLOv8.

Analyst Programmer Jan 2020 — Jan 2021
Hong Kong International School *Hong Kong*

Cut admissions invoice upload time 80% with a PHP web app and automated daily uploads for another 40% improvement using Python and Selenium. Managed the school's MS SQL Server database (~100k records) and handled 800+ IT tickets for web apps.

Data Science Instructional Associate Jul 2019 — Dec 2022
Xccelerate *Hong Kong SAR*

Built and maintained Xccelerate's platforms and website (React, Gatsby, Next.js, GraphQL, NestJS, AWS) supporting 470k pageviews and 173k unique visitors tied to HK\$9.1m B2C revenue. Taught Python and data science to ~260 students across workshops and immersive courses, generating HK\$2.49m in revenue.

Placement Programmer (Part-time) Jul 2017 — Jul 2018
Hospital Authority (HA) (IT) *Hong Kong SAR*

Built a query tool for HA's Oracle database used by the ~10-person IT support team. Designed the intranet UI serving ~700 employees.

EDUCATION

UC San Diego Extension Nov 2020 — Mar 2021
Non-degree in Computer Science
4.0 GPA

University of Pittsburgh Nov 2020 — Mar 2021
Non-degree in Mathematics
• Fundamentals of Calculus I

Relevant Coursework:

- Computer Programming
- Fundamentals of Internet Applications Development
- Calculus and Basic Linear Algebra
- Computer Organization
- Computer Networks
- Operating Systems
- Data Structures
- Software Design
- Database Systems
- Design and Analysis of Algorithms
- Fundamentals of Data Science
- Data-Intensive Computing
- Machine Learning
- Discrete Mathematics
- Internet Security and e-Commerce Protocols

CERTIFICATIONS

MongoDB Node.js Developer Path, MongoDB Nov 2022

UX Design Foundations, Uxcel Jul 2022

The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert, Udemy Apr 2021

Young Executive, AustCham Hong Kong

Associate Member, ACS (Australian Computer Society)

Professional Member, ACM, Association for Computing Machinery

SKILLS

Entrepreneurship Education · Entrepreneurship · Business Ownership · AI Product Development · ESG and Compliance Technology · Angular · Full-Stack Development · Software Architecture · Google Cloud Platform (GCP) · Htmx · Next.js · PostgreSQL · TypeScript · Data Engineering · Cloud Infrastructure · Application Programming Interfaces (API) · Manual Testing · Automated Software Testing · Software Testing · Microsoft Azure · Go (Programming Language) · Front-End Development · Responsive Web Design · Artificial Intelligence (AI) · MongoDB · Amazon Web Services (AWS) · Semantic HTML · Django · Python (Programming Language) · Machine Learning · SQL · Data Analysis · Analytics · Data Science · Algorithms · Data Structures · Computer Science · Jupyter · JavaScript · Java · HTML · CSS · Flutter · Databases · Management · Web Scraping · Dart · React.js · Node.js · HTML5 · agentic AI platforms · agent SDKs · CopilotKit · AG-UI · Inngest · RAG · applied computer vision · PyTorch · OpenCV · YOLOv8 · GraphQL · Apollo · Tailwind CSS · NestJS · Fastify · MS SQL Server · Docker · Jest · Cypress · structured test strategy