

AARON TAO

Full Stack Developer - AI Application Development

Melbourne, VIC | 0412 218 510 | taoaaron5@gmail.com | [LinkedIn](#) | [GitHub](#) | aarontao.com

AUSTRALIAN PERMANENT RESIDENT - FULL WORKING RIGHTS

EDUCATION

Master of Information Technology

University of Melbourne
2021 - 2023

Bachelor of Computer Science

Monash University
2019 - 2021

KEY SKILLS

Frontend

React, React Native, Next.js,
TypeScript, JavaScript, Tailwind CSS,
HTML

Backend

Node.js, Express, Python, MongoDB,
SQL, REST APIs, JWT, Zod

Cloud & DevOps

AWS Lambda, DynamoDB, Vercel,
GitHub Actions (CI/CD)

AI / RAG

OpenAI API, Claude API, LangChain,
Pinecone, RAG & Vector Embeddings,
SSE Streaming, Prompt Engineering

Testing

Jest, Vitest, Playwright (E2E), Unit &
Integration Testing

Tools

Git, Figma, Postman, Cloudinary,
Chrome Extensions (Manifest V3)

Soft Skills

Agile, Code Review, Cross-functional
Collaboration

CERTIFICATIONS

- AWS Certified Cloud Practitioner (2023)
- Project Management Professional, PMP® (2021)
- ITIL® Foundation

PROFILE SUMMARY

Full Stack Developer who ships production software end-to-end across React, Node.js, and serverless — and picks up new technical domains fast. Over the past year, moved from a conventional web stack into **hands-on AI engineering**: solo-built **DocuMind**, a RAG-based document Q&A SaaS, shipped two AI Chrome extensions to the Chrome Web Store, and integrated an LLM assistant into a production payroll system at ShangXue. Comfortable owning a feature from UI through API design, cloud deployment, and CI/CD. AWS Certified Cloud Practitioner with a focus on where LLM capabilities add real, measurable value.

WORK EXPERIENCE

AI Developer Intern — Shangxue Education

Onsite, Melbourne | 03/2026 - 06/2026

- Built and shipped a full-stack teacher salary management SaaS (React 19, Express 5, MongoDB) that digitised paper-based wage submissions for a private tutoring school, delivered as an installable bilingual (EN/ZH) PWA on Vercel.
- Integrated an OpenAI gpt-4o-mini assistant that parses a single bilingual (English/Chinese) sentence into a structured salary claim draft, cutting manual data entry.
- Designed three-tier role-based access control (RBAC) — teacher, admin, and superadmin — with invitation-only onboarding, JWT auth, and a last-superadmin logout guard.
- Implemented atomic, race-safe claim approval and live AUD-to-CNY exchange-rate locking via the Frankfurter API, keeping financial records consistent under concurrent use.
- Built an automated test suite (Jest, Vitest, Playwright) wired into a GitHub Actions CI pipeline; achieved a perfect Lighthouse Best Practices score and zero layout shift.

Backend Developer Intern — Cyberlark

04/2025 - 09/2025

- Contributed to a real estate CRM for a Brisbane agency, building CRUD APIs and file-upload functionality.
- Designed a serverless backend on AWS Lambda and DynamoDB within an Agile team.
- Refactored Lambda functions to reduce cold-start latency and improve API performance.

IT Developer — TongKuo Company

05/2024 - 12/2024

- Built and maintained the company website using React, JavaScript, and RESTful APIs, optimising front-end rendering performance.
- Built responsive components with Tailwind CSS and tested APIs with Postman within an Agile team.
- Implemented CI/CD workflows with GitHub Actions to automate build, testing, and deployment.

PROJECTS

DocuMind - AI Document Q&A SaaS (RAG) — Personal Project
02/2026 - 04/2026 [Live Demo](#) | [GitHub](#)

Production AI SaaS for document-grounded Q&A - multi-user auth, plan quotas, async indexing, and live token streaming.

- Built an end-to-end RAG pipeline: PDF parsing, recursive chunking, OpenAI embeddings, Pinecone vector retrieval, and grounded LLM responses with source citations.
- Engineered crash-safe SSE token streaming with sub-second time-to-first-token, pushing mid-stream LLM errors as terminal frames so the client never hangs.
- Implemented multi-tenant data isolation via per-user Pinecone namespaces and userId-scoped MongoDB queries to prevent cross-tenant leakage.

EchoReply - AI Email Coach (Chrome Extension) — Personal Project

05/2026 [Chrome Web Store](#)

An AI sidebar for Gmail that reads a sender's intent and emotional tone, then drafts replies in three voices - Professional, Warm, and Confident.

- Built on Manifest V3 with a zero-backend architecture: users supply their own Claude or OpenAI key, so email content never touches a third-party server.
- Added multi-provider support (Claude / OpenAI), a 24-hour local cache, and a Tone Check that audits the user's own drafts before sending.

JD Analyzer - AI Resume / JD Matcher (Chrome Extension) — Personal Project

05/2026 [Chrome Web Store](#)

A privacy-first extension that scores a resume against any job posting in seconds, with a four-dimension match score, skill-gap analysis, and a streaming cover letter.

- Works across eight job sites (LinkedIn, Seek, Indeed and more) with a service-worker architecture - zero backend, zero tracking, all processing client-side.
- Runs on the user's own AI key at roughly USD 0.01-0.03 per analysis; covered by 37 unit tests.