

Aaron Elias

Software & Applied-AI Engineer

Melbourne, Australia · contact@eliascorp.org · eliascorp.org · github.com/AaronEliasZachariah · linkedin.com/in/aaronzachariah/

SUMMARY

Software and applied-AI engineer who ships: the model, the backend, and the app people actually use. Focused on reliability, latency, and the failure modes demos skip.

EXPERIENCE

Junior Software Engineer · Monash University

Apr 2026 - Present

On the team building MoVA, an enterprise RAG (retrieval-augmented generation) AI platform for Monash University.

Project Manager · Monash DeepNeuron

Feb 2026 - Present

Leading a team building a wearable AR memory assistant for memory-impaired individuals, driving the architecture behind a custom vector-memory store and a low-latency streaming voice pipeline.

Optimised Computing Engineer · Monash DeepNeuron

Jul 2025 - Present

Built GridLock, a physics- and market-accurate microgrid simulator (AEMO-calibrated battery wear, FCAS, carbon pricing) with adversarial optimisation scenarios and an anti-cheat state allowlist, backed by a substantial test suite. It later became the engine behind Watt The Hack.

Lead Engineer · MLAI (Contract)

Apr 2026 - Jun 2026

Led engineering for Watt The Hack: a PyPI-published simulation engine and a Kubernetes-native platform that securely runs untrusted competitor code on GKE, with egress lockdown and exfiltration auditing.

Private Tutor & Learning Coach · Self-employed

Dec 2022 - Present

Coaching students in maths, programming, and study strategy, building individual learning plans with the same systems thinking I bring to engineering.

SKILLS

TypeScript · Python · React · Node.js · Kubernetes · FastAPI · PostgreSQL · Cloud (GCP / Cloudflare) · Applied LLMs / RAG