YONG MING WEI (WAYNEY)

Singapore • +65 8079 0120 • wayney0331@gmail.com
LinkedIn: linkedin.com/in/ymw0331 • GitHub: github.com/ymw0331 • Portfolio: wayney.dev

PROFILE

Full-stack software engineer with **4+ years** of experience, part of the three-person team that took **Orbit**, SGX's self-service portal for member firms, from the start of development to **production in six months**. When the team lead moved to another SGX team, **took over leading Orbit's ongoing development**, now building the IRIS ST module for SGX's new securities trading engine and new Connectivity features with a developer and an intern. Builds with **FastAPI**, **Temporal** and **Next.js** on **GKE**, uses **agentic AI** with human review and CI as guardrails, and brings a client-facing edge from **technical presales** at Huawei. **Google Cloud** and **AWS** certified.

PROFESSIONAL EXPERIENCE

Singapore Exchange (SGX Group) — Singapore (contract via Steenbok)

Software Engineer • Jan 2026 – Present

Orbit is SGX's self-service portal where member firms manage exchange access, colocation and connectivity, and market access. Access Matrix and Connectivity have been live since Jul 2026 for SGX's trading and clearing member firms.

- Built **Access Matrix** and **Connectivity** with the team lead and an intern, from the start of development (Jan 2026) to go-live (Jul 2026): **FastAPI** services on **PostgreSQL** and **Next.js** UIs, with **JWT** roles, audit logging, and **pytest** and **Vitest** tests
- **Lead Orbit's ongoing development** since the team lead moved to another SGX team (Q3 2026), with a developer and an intern: the new **IRIS ST** module (member-firm requests for **Market Access**, **Market Data** and **PTR** (pre-trade risk) services on **Iris-ST**, SGX's new securities trading engine) and new **Connectivity** features
- Implement approval processes (submission → review → approval → provisioning) as **Temporal** workflows, building on the team's reference pattern
- Gather requirements with business and operations teams, demo features to stakeholders, support UAT, and write docs and runbooks
- Deploy with **Docker**, **GKE** and **Helm** through **GitHub Enterprise** CI/CD; handle **quarterly releases** and **production incidents**, tracing issues in **GCP Cloud Logging** and supporting the helpdesk and member-firm users
- Use **Claude Code** for planning, coding, tests, code review and debugging, with Orbit context files and human review of every diff before commit; coach the team on responsible AI use

Lookcard.io (Fintech Startup) — Kuala Lumpur

Full Stack Software Engineer • Dec 2024 – Dec 2025

Crypto credit card startup with a consumer mobile app and a B2B reseller channel; worked on the reseller and admin portals.

- Rapidly built and launched the **B2B reseller portal** to test and capture the reseller market (30+ resellers), plus an operations admin portal over **10+ microservices** (Next.js, TypeScript, Node.js)
- Integrated card issuer **REAP** and **SF Express** shipping into card-order management, with typed **TypeSpec/OpenAPI** clients
- Automated CI/CD with **GitHub Actions** and **Terraform**: **Playwright** tests, **zero-downtime deployments** to **AWS** (App Runner, ECS) and **Sentry** monitoring

- Built **custom Claude Code subagents** and project context files for AI-assisted development, and an **n8n** and **Vertex AI** (**Veo 3**) video content pipeline producing 50+ assets monthly

Three Enix Consulting (IT Consultancy) — Kuala Lumpur

Software Developer • Aug 2023 – Dec 2024

Provides engineers to insurance and enterprise clients; supported the insurer MCIS's business-as-usual (BAU) systems.

- Built a reporting system for MCIS's **e-learning platform** (OpenOLAT, Java Spring Framework) and maintained its **insurance agent portal** on **Magnolia CMS**, serving 300+ agents
- Migrated MySQL to Microsoft SQL Server, ensuring data integrity

Jan – Jul 2023: Career break to move from presales into software engineering

Huawei Technologies — Kuala Lumpur

Assistant Product Engineer (Pre-Sales) • Sept 2021 – Dec 2022

Asia Pacific regional office, Carrier Service and Software Department, supporting Huawei's representative offices across ASEAN

- As part of the account team, supported presales of carrier software (**CBS**, **AICC**) to Southeast Asian telecom carriers: solution design, RFQ and BOQ, and technical proposals to key customers; received the **Galloping Horse Award** (2022)

SKILLS

- **Languages & frameworks:** Python (FastAPI, SQLModel, Alembic), TypeScript (Next.js, React, Node.js), Java (Spring Framework)
- **Cloud & delivery:** GCP (GKE, Cloud SQL, Cloud Storage), AWS (ECS, App Runner, S3), Docker, Kubernetes, Helm, Terraform, Temporal
- **Data & testing:** PostgreSQL, MySQL, Microsoft SQL Server; pytest, Vitest, Playwright
- **AI:** Claude Code (custom subagents, context files, hooks), GitHub Copilot, Gemini and Veo 3 on Vertex AI, n8n

CERTIFICATIONS & EDUCATION

- Google Cloud Associate Cloud Engineer • AWS Solutions Architect – Associate • AWS Developer – Associate (2023)
- **Bachelor of Information Systems (Hons)**, Universiti Tunku Abdul Rahman (2018 – 2022)