



SHEN NAN, WONG (黄樂南)

Engineering, Product, Venture



Introduction

Lead engineer and delivery lead with 5+ years across venture, financial technology and telecommunications. Built data and artificial intelligence infrastructure, regulated software platforms and zero-to-one products, and led product teams of up to five from roadmap through release.

Core Competencies

- Engineering and delivery leadership
- Product delivery, roadmap and handover
- Agile practice (Project Management Professional, Certified ScrumMaster)
- Agentic artificial intelligence
- Model Context Protocol and retrieval-augmented generation
- Data platforms and automation
- Development, security and operations
- Identity, access and information technology operations
- Technical due diligence

Education

Master of Business Administration

Quantic School of Business & Technology | 2022 - 2024

Powell Impact & Sustainability Scholarship

Specialist Diploma, Applied Artificial Intelligence

Nanyang Polytechnic | 2023 - 2024

Ecole 42

Singapore University of Technology and Design | 2023 - Present

Advanced Certificate in Learning & Performance

Singapore University of Social Sciences | 2020

Bachelor of Science (Honours), Projects & Facilities Management

National University of Singapore | 2012 - 2016

Dean's List, Academic Year 2015/2016

Professional Experience

ShiftControl

Aug 2026 - Present

Lead / Founding Engineer - IT Operations Platform for Google Workspace

Engineering lead for an AI-native IT operations platform helping small and mid-sized businesses manage access and software-as-a-service subscriptions without a dedicated IT team.

- Identity and lifecycle automation across System for Cross-domain Identity Management (SCIM), Google Workspace and JumpCloud, including joiner-mover-leaver flows and software-licence cost control.

Built with: TypeScript, Google Workspace, SCIM, JumpCloud

- Controlled AI assistance for information technology service management (ITSM) workflows with explicit approval and operational boundaries.

Built with: Agentic AI, workflow automation

Iterative

Jun 2024 - Apr 2026

Lead Engineer - Automations, Data Engineering, Applied AI

Sole engineer for an early-stage venture fund, owning firm-wide data, software, IT and automation infrastructure. Conducted technical due diligence and advised portfolio chief technology officers.

- Model Context Protocol (MCP) Backbone: Slack assistant routing natural-language requests to filesystem, Notion and Airtable tools with E2B execution, tracing and approval gates.

Built with: TypeScript, Slack Bolt, Docker, MCP, E2B, Langfuse

- Founder Knowledge Base: two-stage Slack classifier and Gemini 2.5 Pro synthesis pipeline producing searchable articles.

Built with: Next.js, Supabase Postgres, Gemini, Google Cloud Storage (GCS)

- Voice and data systems: ElevenLabs founder-screening agent, Airtable intake, Turso transcripts and automated portfolio workflows.

Built with: Next.js, ElevenLabs, Airtable, Turso

- Search and research: hybrid Structured Query Language (SQL) and pgvector founder search plus LangGraph research workflows producing investment memos.

Built with: Postgres, pgvector, OpenAI, LangGraph, Perplexity

Reason for leaving: Pursued a product-focused founding engineering role.

Partior

Jul 2023 - Feb 2024

Senior Software Engineer - Platform / DevSecOps

Built the DevSecOps, governance risk and compliance (GRC), and continuous integration and delivery (CI/CD) platform supporting secure cross-border payment infrastructure founded by J.P. Morgan, DBS and Temasek.

- Built repository governance and risk tooling aggregating static and dynamic application security testing (SAST/DAST) findings, logs, controls and artefact lifecycle across hundreds of repositories and eight teams.

Built with: Python, GitHub Actions, Backstage, Artifactory

- Operated self-hosted Kubernetes runners across AWS and GCP with continuous CI/CD uptime.

Built with: Kubernetes, Helm, Docker, AWS, GCP

- Built a Go command-line interface (CLI) generating blockchain deployment specifications for JPMorgan Chase, DBS and Standard Chartered.

Built with: Go, YAML configuration, Vault, cert-manager

Reason for leaving: Left to complete my master's degree and move into venture capital / startups.

Skills

Languages: TypeScript, Python, Go

Product: React, Next.js, Node.js, FastAPI, Express, Hono

Data: PostgreSQL, Snowflake, Airflow, pgvector, Turso

AI / agents: Model Context Protocol, LangGraph, OpenAI, Gemini, ElevenLabs, Langfuse, OpenRouter, E2B

Platform: Amazon Web Services (AWS), Google Cloud Platform (GCP), Kubernetes, Docker, Helm, GitHub Actions, Vault, Backstage

Awards, Accolades & Certifications

- Amazon Web Services Solutions Architect - Associate
- Project Management Professional
- Certified ScrumMaster
- Exemplary Innovator (Team), Singapore Armed Forces
- Best Combat Company, Singapore Armed Forces

Hackathons & Recognition

- DBS Hack2Hire 2021 - Blockchain, 3rd place
- GrabHackForGood 2022 - ClimateTech
- Lablab.ai Stable Diffusion Hackathon 2022
- Search Artificial Intelligence Hackathon 2022 - Cohere
- Judge, National University of Singapore Hack'n'Roll 2024

Community

Better.SG

Built RecycleGoWhere in Next.js, Leaflet and Firebase; raised \$10,000 from the Singapore Eco Fund

ADPList & JuniorDevSG

Software engineering mentor

Masses

Founding engineer, social voting platform

Independent Projects

NotionPlus.xyz

Templates, extensions and software for Notion users

Tech Channels

Engineering, development security operations, artificial intelligence and machine learning communities

Professional Experience (continued)

[ZOLO](#)

Apr 2023 - Nov 2023

Co-founder, former Chief Technology Officer - Business-to-business AI Platform

Co-founded a business-to-business artificial intelligence platform for fresh-food distributors, owning product, architecture and engineering from incorporation through to revenue.

- Architected and shipped the platform end to end, replacing manual order handling with automated order capture, error detection and fulfilment workflows.
Built with: Next.js, Python, OpenAI
- Ran paid pilots with Indoguna, FoodXservices and CS Tay, reaching US\$13,000 monthly recurring revenue (MRR) within three months of launch.
- Raised US\$350,000 pre-seed from Antler, Garage Ventures, Protege Ventures and NTUitive, then hired and led an offshore engineering team across Pakistan and India.

Reason for leaving: Moved into a technical advisory role to focus on Partior.

[Circles](#)

Oct 2022 - Jul 2023

Senior Software Engineer, Product Lead - Platform / Circles X

Led three software products, formalised engineering practices and developed a team of five across engineering, product and design.

- Built a real-time customer data platform for segmentation and omni-channel communication.
Built with: Go, Airflow, Amazon Simple Notification Service (SNS), Snowflake
- Designed an application programming interface (API) sandbox and proxy gateway for faster prototyping with telecommunications partners.
Built with: Go, Diameter Protocol
- Built a module-federated role-based access control (RBAC) platform reducing enterprise onboarding from days to minutes.
Built with: Federated frontends, Node.js, Auth0, progressive web application (PWA)

Reason for leaving: Left for an opportunity in fintech.

[Circles Labs \(Research & Development\)](#)

Feb 2022 - Oct 2022

Product Engineer, Team Lead

Founding research and development engineer who hired more than half of the team and shipped consumer and enterprise products from concept to production.

- Built the 6,000-monthly-active-user (MAU) Pokemon x Circles.Life Dare To Roam app and a 2,000-concurrent-user race-day companion; won Travel Product of the Year.
Built with: Next.js, Supabase, Amplify
- Led corporate plan management for 30+ accounts, generating over US\$30,000 MRR.
Built with: React, Express, Jest, Cypress, Storybook
- Improved testing, type coverage and observability; reviewed machine learning operations (MLOps) for credit scoring and segmentation.
Built with: Kubernetes, Amazon SageMaker, Snowflake, Airflow

Reason for leaving: Transitioned internally when research and development merged into the core engineering organisation.

[Rocket Academy](#)

Nov 2021 - Nov 2022

Course Instructor (Freelance) - Fundamentals

Taught more than 100 students programmatic thinking, data structures and algorithms through an intensive six-week course; graduates went on to secure software roles.

Reason for leaving: Freelance teaching engagement concluded.

[Singapore Armed Forces](#)

Feb 2011 - Jun 2021

Military Officer (Officer Commanding) - 42nd Battalion, Singapore Armoured Regiment

Commanded a 150-person company and led tactical development for the Army's next-generation Hunter armoured fighting vehicle (AFV) platform. Awarded Exemplary Innovator (Team) and Best Combat Company; Singapore Armed Forces Academic Scholarship recipient.

- Inaugurated Singapore's first operational Hunter AFV battalion and operationalised the next-generation combat vehicle platform.
- Deployed 200 troops to Oberlausitz, Germany as Exercise Panzer Strike executive officer.
- Coordinated the National Day Parade (NDP) 2019 Mobile Column to the Heartlands with the Traffic Police, Singapore Police Force and Home Team Academy.
- Completed Phase I of Ranger School and served as liaison officer to the Vietnam People's Army during a 2015 training visit.

Reason for leaving: Completed my scholarship bond and transitioned into software engineering.