

Building software with *AI-native* execution.

Innovative technical software lead with expertise in AI-driven development, full-stack engineering, automation, and blockchain. Focused on building scalable systems, speeding up repeatable work, and shipping practical software that creates measurable business value.

AI-first

Vibe coding used as a default operating rule for delivery

Max AI performance

Constant management of token usage, model choice, and prompt evaluation to maximize output quality and delivery speed

Code anywhere

Vibe coding workflows connected to mobile via Telegram and other tools

Skills

Create reusable skills and workflows that make repeatable tasks faster and more consistent

Experience

Senior AI Engineer

Oceanus Group Limited

Apr 2025 - Present

- Developed an AI-powered app enabling traders to record and manage trade activities more efficiently.
- Automated internal business workflows using AI models and the n8n automation platform.
- Built an internal loan management system used to track more than 10 million in loans, giving the business better visibility into portfolio status, repayment flows, and operational follow-through.
- Automated a large-scale data pipeline by collecting millions of records from import and export platforms, searching business names, obtaining contact information, and drafting customized outreach emails.
- Created reusable skills and MCP servers for international commodity trade to reduce repetitive tasks and speed up operational workflows.
- Uses AI to develop software with vibe coding as the first rule, and applies a code-anywhere principle by linking workflows to mobile through Telegram and other tools.
- Manages token usage, model selection, and prompt evaluation continuously to maximize AI performance across delivery work.

General Manager

Confidential Family Office

Aug 2023 - Mar 2025

- Managed diverse stakeholder expectations with transparency and efficiency.
- Initiated a venture partnership in Ulaanbaatar, Mongolia and led negotiations on business terms and operating conditions.
- Restructured internal accounts and deployed idle cash into fixed deposits to improve passive income and operational efficiency.

Technical Project Manager

Oceanus Group Limited

Mar 2022 - Jul 2023

- Researched Ethereum and Polygon feasibility for vintage alcohol tokenization.
- Built full-stack Next.js applications for goods distribution, pricing calculations, and contract management.
- Enhanced fintech platforms for remittance, financing, and cross-border payments with Angular, .NET, Python, TypeScript, Jira, Figma, GitHub, and AWS.

Technical Software Lead

Wokn

Nov 2022 - Feb 2023

- Developed a Telegram-integrated NFT creation app during a Zilliqa blockchain hackathon and won first prize.

Technical Project Manager

Carro

Aug 2021 - Oct 2021

- Designed ML algorithms for used-car pricing predictions.
- Created Python-based data mining, cleaning, and ETL architecture.
- Collected IoT data via MQTT with AWS IoT Core and configured S3, SageMaker, Lambda, and scheduled analysis pipelines.

Technical Project Manager

Dimuto Pte Ltd

Sep 2020 - Aug 2021

- Managed delivery of a blockchain and AI-powered web application for supply-chain traceability.
- Oversaw ReactJS, Laravel, Flutter, and Java development across web and mobile.
- Applied AI in computer vision use cases, deployed on GCP and AWS, and managed overseas vendors plus engineering hires.

IT Technical Lead

Maddox Technologies Pte Ltd (Under Resilient Secure Consultancy)

Sep 2019 - Sep 2020

- Led development of a logistics and lifestyle mobile app for 5M+ users.
- Built two Django web apps for financial services clients with Twilio and Stripe integration.
- Tested and deployed across Google Cloud, Azure, AWS, and private cloud while supervising five developers.

Information Technology Manager

Resilient Secure Consultancy

Aug 2018 - Sep 2019

- Designed and developed a staff management system with scheduling, SMS communication, and attendance tracking.
- Created and led an internship program tied to real software delivery work.
- Maintained IT infrastructure including CCTV systems, HR software, and staff support workflows.

AI Stack

Next.js

Primary application framework for shipping product surfaces quickly with a strong TypeScript workflow.

Supabase

Used for auth, relational data access, and fast backend setup for product and internal tooling workflows.

TanStack

Used for frontend data flows, caching, and state coordination in modern React applications.

PostgreSQL

Core relational data layer for business-critical workflows and operational reporting.

Convex

Used when real-time sync, stateful backend logic, and rapid product iteration matter more than platform ceremony.

Claude, Gemini, OpenAI

Used for AI-native coding, prompt engineering, review loops, and faster delivery from prototype to shipped product.

Programming & Working Languages

TypeScript

Preferred language for modern web product delivery and typed frontend-backend workflows.

English

Native or bilingual proficiency, used heavily for AI prompting, technical writing, and stakeholder communication.

Python

Used for backend systems, AI integrations, automation, and internal tooling.

AI-first execution

English plus model workflows used as a practical interface for building, refining, and shipping software faster.

Education

National University of Singapore

Apr 2014 - Jul 2018

- B.Sc. in Mathematics and Computer Science.
- Thesis: Quadratic Reciprocity Law.
- Relevant coursework: Data Structures and Algorithms, Software Engineering, Databases, and Computer Organization.