

# Grayson Lim Chuan Kai

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## PROJECTS

### SynapseQ – AI-Powered Auto Quiz Generation (AQG) System

Full-stack platform (FastAPI + Vue 3) that ingests lecture materials, builds a searchable topic hierarchy, and generates grounded MCQ quizzes using hybrid retrieval (Qdrant + BM25) and a multi-stage LLM generation pipeline.

### Bee Chieng Hiang Fault Reporting App

BCH Fault Reporting Application helps BCH staff report faulty equipment and enter feedback via an admin portal website/ mobile app to do a follow up on the cases.

### QR Order & Payment POS

Progressive web app (Next.js + tRPC + Prisma) for QR-based ordering — diners scan a table QR, order and pay via a client-generated PayNow QR, and track status live. Vendor console handles live orders, menu, and categories through a Pusher-powered queue, with bilingual (EN/中文) support. Tiered payments: fee-free PayNow QR by default, optional HitPay API for merchants wanting automated reconciliation and card payments.

### OpenClaw Auto Tweet Pipeline

Agent-skills-based automation pipeline (Node.js + Claude API + OpenClaw): four independent SKILL.md-defined modules (fetch → format → queue → post) that let an AI agent autonomously discover AI news, draft on-voice tweets, and schedule posts to Twitter/X.

### Smart Contract Telegram Deployer Bot

Able to deploy ERC20 token contract with different configurations through Telegram quickly.

### Friendtech New Joins/ Autobuy Bot

Detects any new joins on Friend.tech. Detects new influencers joining Friend.tech and auto buys with different configurations like budget, TP/SL, etc.

### Ethereum Token Scanner / Liquidity Scanner / Whale Tracker / Pump fun Detector

Scans for new ERC20 token contracts created and liquidity into tokens live. Scans for big purchase orders of ERC20 tokens. Able to detect new tokens created and new trades (buy/sell) in pump.fun

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## EMPLOYMENT

### AI Developer, Suzhou Huiyi Intelligent Technology Co.Ltd, China

Sep 2025 - Apr 2026 (8 months)

- Designed backend architecture & database schema (LangChain4j, Spring Boot) for an AI contract review system, including a multi-agent workflow for automated clause/regulation checks.
- Built and deployed an autonomous AI agent (OpenClaw) for end-to-end social media automation — content scraping, insight extraction, and auto-posting via Twitter API.
- Evaluated and deployed text-to-video generation pipelines (local & cloud) with character/scenario customization for client demos.
- Worked hands-on with LLMs, RAG, vector databases (PGVector/Qdrant), Docker & Redis in a production B2B SaaS environment.

### Junior Software Engineer, Ebuy Pte Ltd, Singapore

Sep 2020 - Jun 2021 (10 months)

- Developed and maintained web applications using Vue.js, AWS, PM2, Nginx, Web Socket.
- Collaborated with cross-functional teams to deliver high-quality software solutions.
- Improved database management using MongoDB.

### IT Intern, TRT Solutions Limited, Singapore

Jun 2018 - Sep 2018 (4 months)

- Worked with senior engineers to ensure smooth operation of IT systems.
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## EDUCATION

### Singapore Institute of Technology

Bachelor of Science with Honours in Computing Science, Achieved Honours with Merit  
Aug 2023 – April 2026

### Singapore Polytechnic

Diploma in Information Technology, GPA: 3.614/4.0

## SKILLS

- Programming Languages: Node.js, TS, Solidity, Python, C#, PHP, Java
  - Databases: SQL, MongoDB, Qdrant (Vector DB), PGVector
  - AI/ML: RAG pipelines, Vector/Semantic Search, Hybrid Retrieval (dense + sparse + reranking), Multi-Stage Prompt Workflows, Multi-Agent Systems, Autonomous AI Agents, LangChain4j
  - Blockchain: Ethereum, Base, ethers.js
  - Tools & Technologies: Git, Selenium with Python, Docker, Redis, Twitter API, Polymarket API, Websockets/Pusher
  - Certificates: Blockchain Revolution, Blockchain Specialization, Meta Frontend Developer, Machine Learning for All, Using Python to Access Web Data
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## HONORS & AWARDS

**Edusave Certificate of Academic Achievement**

Mar 2021, May 2018, Dec 2017

**Edusave Merit Bursary**

Mar 2021, Mar 2018, Dec 2017

**Director List**

Sep 2016

- Meritorious academic performance (top 10%)