Dylon Wong Chung Yee

📍 Malaysia / Singapore | 📞 +6010-3520010 | ✉ dylonwcy@gmail.com | [LinkedIn](#) | [Portfolio](#)

Full Stack Developer with 2+ years of experience specialising in backend systems, cloud infrastructure, and applied cybersecurity. Strong background in payment systems, blockchain integration, and secure distributed applications. Delivered production-grade solutions supporting Malaysian banking rails, Web3 integrations, and cloud-native deployments.

Techical Skills

- **Programming Languages:**
  2+ years experience with **NodeJS Typescript, Python**, **Java** and **PHP.**

- **Frameworks**:
  Laravel, React (Next.js/Tanstack), Spring Boot, ExpressJS, HonoJS, FastAPI

- **Methodologies**
  Agile, RESTful API Design, Secure Software Development

- **Languages:**
  Chinese Mandarin, English, Malay

- **Cloud & DevOps**:
  AWS (EC2, S3), DigitalOcean, Vultr, CI/CD, Container Orchestration

- **Databases & Storage**:
  PostgreSQL, MySQL, MongoDB, AWS S3, Redis

- **Cybersecurity & OS:**
  Linux (Ubuntu, Kali), Burp Suite, Wireshark, Ghidra, Metasploit, nmap, sqlmap, radare2

Work Experience

JAN 2024 – PRESENT
Full Stack Developer | AG Smart IT Sdn. Bhd., Malaysia

- Delivered and maintained a production payment gateway supporting major Malaysian banks, DuitNow QR, and Web3 payments, improving transaction reliability and scalability. The services are mainly provided by Laravel, FastAPI and NodeJS Express.
- Developed and maintained several projects using NextJS/Tanstack for frontend and ExpressJS/HonoJS + SocketIO for backend.
- Automated infrastructure provisioning and deployments using Ansible, improving release consistency across environments.
- Managed cloud infrastructure across AWS, DigitalOcean, and Vultr, including PostgreSQL databases and S3-based object storage.
- Implemented automated database backup strategies using PostgreSQL replicas, improving data resilience, and recovery readiness.

AUG 2023 – OCT 2023
Freelance Backend & Blockchain Developer | Moonkite Sdn Bhd

- Developed a blockchain-based proof-of-concept for a digital certificate issuance system.
- Implemented RESTful APIs in Go to interface with a Hyperledger Fabric blockchain network.
- Designed Docker-based environments to simulate and validate end-to-end blockchain transaction flows.

Key Projects

Blockchain-Based Federated Learning Intrusion Detection System
TECH STACK: TYPESCRIPT, PYTHON, HYPERLEDGER FABRIC, BILSTM

- Built a collaborative intrusion detection system leveraging federated learning and blockchain.
- Implemented BiLSTM models to detect network attacks from traffic packets.
- Aggregated distributed predictions using Federated Averaging while securing data via TLS and blockchain architecture.

Animal Shelter Decentralised Application
TECH STACK: SOLIDITY, REACT, JAVASCRIPT

- Designed and implemented a decentralised application for secure pet adoption and donations.
- Reduced system abuse by enforcing deposits on adoption requests.
- Enhanced transparency and privacy through on-chain statistics and anonymous adoption flows.

Education

2023 JUNE
MSc Advanced Computer Security | University of Manchester, United Kingdom
First Class Honours

2022 JUNE
BSc Computer Science (Security & Resilience) | Newcastle Univervsity, United Kingdom
First Class Honours