

Marshall Hongpo CHEN

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EXPERIENCE

DBS Bank | Singapore

Infrastructure Engineer | **Jul 2025 – Present**

- Owned full-stack applications end-to-end across Angular/Node.js and PHP/Java, including custom shell-scripted CI/CD pipelines.
- Modernized legacy systems by refactoring and rewriting legacy Perl services into Node.js.
- Enforced strict banking compliance, security controls, and complete audit trails across all production deployments.

TogatherSG | Singapore

Co-Founder | **Sep 2025 – Jun 2026**

- Built Singapore's first home-based experience marketplace from scratch; featured on *Lianhe Zaobao*.
- Developed the platform using React Native & Expo (published via App Store Connect), Supabase for database & auth, and Stripe for payments.

WorldQuant | Singapore (Remote)

Research Consultant (Part-time) | **Nov 2025 – May 2026**

- Researched, developed, and backtested quantitative alpha signals across global financial datasets.

Amplified Industries Inc | Boston, MA

Data Engineer Intern | **Jul 2023 – Jan 2024**

- Migrated database architecture from a monolithic Postgres DB to TimescaleDB hypertables, archiving cold data to S3 queried via AWS Athena.
- Deployed centralized logging on AWS EC2 using Fluent Bit and an ELK stack provisioned with Terraform.
- Refactored core legacy services and increased test coverage significantly using pytest.

Cynapse Pte Ltd | Singapore

AI Software Engineering Intern | **May 2022 – Dec 2022**

- Trained and evaluated PyTorch and TensorFlow models for object detection, classification, and segmentation.
- Built data collection and augmentation pipelines using OpenCV and FiftyOne, and supported model deployment pipelines.

EDUCATION

Nanyang Technological University Singapore

Bachelor's degree, Computer Science | **2020 – 2025**

- Elective focus on Data Science and Artificial Intelligence

CERTIFICATIONS

- CFA Level I** – CFA Institute (Issued Jun 2026)
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