

Brandon Ban Kai Xian

(+60) 16 - 298 9269 | bbkx226@gmail.com | [linkedin.com/in/bbkx](https://www.linkedin.com/in/bbkx) |
github.com/bbkx226 | <https://brandonban.com>

WORK EXPERIENCE

Ant International

Kuala Lumpur, Malaysia

Backend Software Engineer – Full-Time

Mar 2025 - Present

- Built self-service FX configuration platform with **multi-tier decision engine and distributed caching**, eliminating engineering bottlenecks and enabling currency additions at scale
- Designed **event-driven refund processing system** leveraging message queues for **asynchronous transaction rollback** with **idempotency guarantees** and risk-based fraud prevention
- Built automated payout validation system using **SQL-based ETL pipeline** to detect duplicate QR code submissions within time windows, preventing fraudulent claims and ensuring accurate worker compensation
- Implemented comprehensive observability stack with distributed tracing for cross-service debugging, real-time alerting, and centralized log aggregation, **reducing mean time to recovery (MTTR)** for production incidents
- Streamlined deployment process across 5 environments with **safe rollout strategies** that minimized production incidents
- Onboarded new team members through pair programming and code reviews, helping them ship features within their first sprint

WIPPD

London, England

Full Stack Developer – Contract

Jul 2024 - Mar 2025

- Delivered 8 AI-powered MVPs within weeks for international clients to secure angel investor funding across healthcare, finance, and marketing domains
- Built market intelligence platform that reduced expansion research time from weeks to hours for UK businesses entering Malaysia

Ventionex

Singapore

Full Stack Software Engineer – Contract

Dec 2023 - Feb 2025

- Improved application throughput by implementing **distributed task queue for asynchronous processing**, reducing server load and improving response times
- Built real-time communication features using **WebSocket and WebRTC protocols** for low-latency video streaming and device monitoring
- Reduced testing time by 50% through automated CI/CD pipeline covering **unit, integration, end-to-end, load, and visual regression testing** with parallel execution

EDUCATION

Asia Pacific University of Technology & Innovation

De Monfort University

Bachelor of Science

Major in Computer Science - First Class Honours

Mar 2022 - Mar 2025

Cumulative GPA: 3.89/4.0 | Valedictorian Nominee | Best Student Award (Batch 2024/2025) | Vice Chancellor's List 2022-2025

Leadership: Chairman, IEEE Student Branch; Treasury Lead, AWS Cloud Club

PROJECTS & CONTRIBUTIONS

BranX (Final Year Project)

Oct 2024

- Built AI-powered learning platform using Next.js and MongoDB with RAG-based content recommendations via OpenAI API and PineconeDB
- Implemented authentication, payment processing (Stripe), and responsive UI with reusable component library

Open-Source Contributions

Nov 2025 - Dec 2025

- [codefuse-ai/CodeFuse-Embeddings](#): Expanded framework to support 13+ ML models with LoRA fine-tuning and Ray distributed training
- [codefuse-ai/SWE-CARE](#): Curated datasets classifying 100+ PRs and evaluated LLM code review quality across 7 projects

CERTIFICATIONS

[AWS Certified Cloud Practitioner](#), Amazon Web Services

Feb 2024 - Feb 2027

[Microsoft Certified: Azure AI Engineer Associate](#), Microsoft

Jun 2024 - Jun 2025

[GitHub Foundations](#), GitHub

Nov 2024

AWARDS & RECOGNITIONS

Outstanding Contribution Award (1st in two categories), Open-Source Bootcamp 2025 – Ant International

Top 6 Finalist (top 5% of 110+ teams), EY Young Technology Professional Challenge 2024 – EY Consulting Sdn Bhd

1st Runner-Up, Safety Tech Hackathon 2024 – Sime Darby Plantation

TECHNICAL SKILLS

Languages & Frameworks: Java, TypeScript, Python, SQL | React, Next.js, Spring Boot, Flask, Node.js, Express, gRPC

Data Layer: PostgreSQL, MongoDB, MySQL, Redis | Apache Kafka, RabbitMQ, Message Queues, Event-Driven, Sharding

Infrastructure & Architecture: Docker, AWS, Azure, CI/CD | Microservices, DDD, SOA, Distributed Systems, High Availability