

Brandon Ban Kai Xian

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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 Montfort University Singapore
Bachelor of Science Dec 2023 - Feb 2025
- 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