ADAM IDRIS BIN MOHAMAD ISMOL

SOFTWARE ENGINEER | FULL STACK & AI-ENABLED PRODUCTS

Johor Bahru, Johor | idrisismol@gmail.com | linkedin.com/in/adam-idris-650b33306 | bokkeh.app

PROFESSIONAL SUMMARY

Product-minded Full Stack Software Engineer experienced in shipping production web, mobile, ERP, SaaS, and AI-enabled features from idea and requirement discovery through implementation, deployment, and support. Strong in JavaScript/TypeScript, React/Next.js, React Native, Vue, Python, REST APIs, relational databases, and AI-assisted engineering with Claude Code and Codex. Comfortable taking ownership, debugging unfamiliar systems, experimenting independently, and turning practical ideas into software used by real teams and customers.

CORE SKILLS

Frontend: JavaScript (ES6+), TypeScript, React, Next.js, Vue, React Native, HTML5, CSS3, responsive UI/UX
Backend & Data: Python, Frappe/ERPNext, REST APIs, MariaDB/MySQL, PostgreSQL, Redis, Convex; NestJS and Java Spring Boot exposure
AI & Automation: Claude Code, Codex, LLM integration, AI OCR, Playwright automation, prompt/tool workflows, human-in-the-loop flows
Delivery & DevOps: Git/GitHub, Docker, Linux/Ubuntu, Nginx, DigitalOcean, systemd, CI/CD, Postman, production/UAT support

PROFESSIONAL EXPERIENCE

Junior Fullstack Developer **Mar 2026 - Present**

WinWin Food Industries Sdn Bhd | Johor (Onsite)

- Own features end to end: gather requirements from operational teams, design workflows and UI, build frontend/backend logic, integrate APIs, test, deploy, train users, and support production systems.
- Built React Native applications for warehouse terminals and delivery drivers, including in-app APK update detection, simplified location-permission recovery, offline local storage, and automatic sync after connectivity returns.
- Built a centralized deployment page and Telegram bot for 6 production servers, reducing manual server access to roughly five UI actions or one authorized message while restricting access by Telegram user ID.
- Created an AI-powered IT Assistant inside ERP that uses page and business-data context to help users find information, understand errors, and receive assigned-task notifications; also implemented AI OCR for inconsistent customer PO formats and salesperson annotations.
- Architected an end-to-end logistics workflow coordinating 30-80 daily delivery trips across Johor, Selangor, and Penang, replacing fragmented Excel/WhatsApp coordination with one operational source of truth.
- Built a two-week production planning flow combining demand, stock, production rates, machine capacity, rejection rates, and BOM calculations to expose material requirements and reorder risks.
- Created reusable Claude Code and Codex workflows for repetitive engineering tasks such as database restoration, project standards/memory, and API integration.

Software Engineer (Part-time) **Jan 2025 - Present**

Freelance / FiqhTech - AI Fiqh | Remote

- Maintain and improve React/Next.js and AI-enabled applications; refactored legacy React code, implemented API-driven CRUD/filtering flows, and built streamed LLM interfaces.
- Provisioned a DigitalOcean Ubuntu background-worker server for bulk email delivery in a NestJS application using systemd and GitHub-based CI/CD; also updated Java Spring Boot request handling for email-body integration.
- Built AI-powered knowledge/library features and streamed advisory workflows, while handling testing, client support, debugging, and production fixes.

Tech Consulting - Digital Engineering Intern **Mar 2025 - Aug 2025**

EY Technology Solutions | Kuala Lumpur (Hybrid)

- Prepared Sitefinity 15.3 CMS and .NET Core Renderer environments, analyzed legacy codebases for frontend/integration issues, and supported enterprise UI/platform troubleshooting.

SELECTED PRODUCTS & PROJECTS

Bokkeh - Booking & Business Management SaaS — **Live product**

bokkeh.app

- Designed, built, and deployed a multi-tenant SaaS product using React/Next.js with booking, availability, customer management, POS-related workflows, and responsive customer-facing interfaces.
- Built the product end to end across product flow, frontend, backend integration, deployment, and iteration, with the goal of reducing manual coordination for service businesses.
- Developed a WhatsApp AI customer-service workflow for enquiries, lead capture, booking questions, availability checks, and escalation to a human when needed.

Internal AI & Automation Tools — **Production use**

WinWin ERP

- Built a ChatGPT-style internal interface in Frappe using Playwright automation with per-user conversation isolation and a centralized AI access layer.
- Built deployment, task-notification, AI OCR, and IT-assistant workflows aimed at reducing repetitive operational work and making support information easier to act on.

HOW I WORK

- Take ownership from ambiguous problem to production release, then continue supporting and improving the feature based on real user feedback.
- Use AI coding tools actively, but review, test, and improve generated code rather than treating AI output as final.
- Comfortable working independently in remote environments, communicating progress clearly, and learning unfamiliar technologies by building.

EDUCATION

Universiti Putra Malaysia (UPM) | Bachelor of Computer Science (Computer Network) with Honours | 2021-2025 | CGPA: 3.72

Kolej Matrikulasi Johor | 2020-2021 | CGPA: 3.96

CERTIFICATIONS & AWARDS

Microsoft Certified (2025): Azure Fundamentals; Azure AI Fundamentals; Azure Data Fundamentals; Power BI Data Analyst Associate; Power Platform Fundamentals; Security, Compliance and Identity Fundamentals.

- Gold Award - Engineering, Science & Technology Exhibition (ESTE) 2025
- UM Hackathon 2024 - Champion
- SME Bank Innovathon 2024 - Top 9