

Siti Solehah Yunita Rahmawati

AI Engineer (Software Engineer)

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Product-minded software engineer who rapidly ships AI-powered solutions across diverse domains, from educational platforms impacting 100,000+ students to B2B CRM systems and competitive intelligence tools. Proven ability to deliver complex features in 1-2 week sprints, achieving metrics like 40% engagement improvement and 79%+ RAG accuracy. Combines technical depth in LLMs/ML with product thinking to build features that drive real business outcomes.

Seeking to rejoin Pandai, where I can leverage my expertise in product engineering to build meaningful, user-centric solutions, and the latest AI breakthrough. Excited about Pandai's impact towards education

Work Experience

AxionOne Sdn Bhd, Kuala Lumpur, Malaysia

March 2024 - Sept 2025

Software Engineer

Full-stack SaaS developer and technical lead for team of 3, specializing in multi-tenant CRM platforms with React/Next.js 15, TypeScript, and tRPC. Led engineering hiring to build the team and established CI/CD pipelines using Railway. Building scalable B2B CRM applications featuring Meta Ads and Whatsapp Integration, lead management systems, real-time messaging, and AI-powered automation. Rapidly shipping production features in 1-2 week sprints while implementing modern React patterns, full-featured RBAC and SSO authentication. Strong focus on type-safe development with tRPC, performance optimization, and delivering high-velocity features that directly impact business metrics.

Technologies and expertise: tRPC, FastAPI, Next.js, TypeScript, PostgreSQL, Docker, GitHub Actions, Vector Databases, LLM, TanStack Query, Railway, social media API integrations

Black Ace Media, Ontario, Canada

January 2024 - January 2025

Software Engineer (AI team)

Building and shipping AI-powered web and native applications that perform automated competitive analysis through advanced LLM processing. Architecting production RAG pipelines using ColBERT for neural retrieval, achieving 79%+ accuracy in our apps. Rapidly delivering full-stack applications with multimodal capabilities and social media API integrations (Twitter/X, TikTok) for engagement analytics. Established comprehensive RAG evaluation frameworks with DSPy ensuring quality across all shipped features. Maintaining aggressive sprint velocity with daily deployments through monorepo management (Turborepo).

Technologies and expertise: DSPy, ColBERT, Modal, FastAPI, Next.js, TypeScript, PostgreSQL, Docker, GitHub Actions, pgvector, LLM, tRPC, Drizzle ORM, Convex, React Native, TanStack Query, Temporal workflows

Pandai, Kuala Lumpur, Malaysia

February 2025 - December 2025

AI Engineer @ AI Team

Key contributor in building AI-powered educational solutions serving students across Malaysia & Brunei. Led development of two flagship products: AskPbot, an intelligent learning buddy integrating multimodal capabilities and curriculum-based responses achieving 80% accuracy in student answers, and Pandai Math Drill featuring adaptive difficulty adjustment improving student engagement by 40%. Designed and implemented an early version of the AI API builder enabling integration with 100+ AI providers while maintaining sub-200ms response times. Developed content management system with vector database integration, improving vector database iteration.

Technologies and expertise: FastAPI, Python, LangChain, PostgreSQL, Next.js, React, Tailwind CSS, Docker, GitHub Actions, Vector Databases, LLMs

Education

Albukhary International University, Malaysia | CGPA: 3.8

2022 - 2025

Bachelor of Computer Science (AI and Data Science)

Strong foundation in software development, system design, and IT project coordination. Proficient in programming languages including Python, Java, and C++, applied in various academic and real-world projects. Experienced in using Power BI and other visualization tools to support business reporting and performance monitoring. Hands-on knowledge in database management, SQL, and system analysis for supporting datadriven decision-making and operational efficiency.
