

SURYANA DHUCHRI

AI Engineer | Fullstack Developer

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PROFESSIONAL SUMMARY

AI Engineer and Fullstack Developer with 7+ years of enterprise experience at PT Bank BCA Syariah, specializing in agentic AI systems, MCP (Model Context Protocol) connectors, RAG pipelines, and LLM API integration embedded in production banking environments. Proven track record of shipping 20+ systems and 10+ AI projects, bridging modern AI tooling with regulated financial-services infrastructure and full-stack delivery. Hands-on with agent orchestration frameworks (Mastra, LangGraph/LangChain), web scraping and crawling, and workflow automation. Focused on building maintainable, secure, and genuinely useful software.

CORE SKILLS

AI & Agentic Systems: Agentic AI, AI Agents, MCP Tools & MCP Connectors, Agent Orchestration, RAG Pipelines, LLM API Integration, Prompt Engineering, AI Skills, AI Artifacts, Generative AI, ML Model Remodeling

AI Frameworks & Tooling: Mastra, LangGraph, LangChain, Vercel AI SDK, ReAct, Vector Databases (Qdrant, pgVector), AI API Gateways

Automation & Data: Web Scraping, Web Crawling, Workflow Automation, n8n, Real-time Data Pipelines, ETL

Languages: Go (Golang), JavaScript / TypeScript, Node.js, Python, PHP, SQL

Frameworks & Stack: Next.js, React, REST API Design, System Integration, Microservices

Databases: PostgreSQL, MySQL, SQL Server

Infrastructure & Messaging: Kafka, RabbitMQ, Redis, AWS (Bedrock, fundamentals), HSM

Banking & Domain: Core Banking Systems, BI-FAST Payment Rails, Compliance Monitoring, Thought Machine Vault, Enterprise Integration

SOFT SKILLS

End-to-End Ownership • Problem Solving • Cross-functional Collaboration • Stakeholder Communication • Technical Leadership • Adaptability & Continuous Learning • Attention to Detail • Clarity over Complexity

PROFESSIONAL EXPERIENCE

AI Engineer / Fullstack Developer — PT Bank BCA Syariah

2025 – Present | DKI Jakarta, Indonesia

- Designated lead for the bank's AI transformation initiatives: agentic workflows, MCP connector integrations, RAG-based document intelligence, and LLM-powered automation embedded in production banking systems.
- Building tenant-aware MCP (Model Context Protocol) connectors integrating third-party enterprise platforms (ERP, accounting, and HR systems) into agentic AI workflows via secure API integration.
- Remodeling LISA, the internal machine learning system, to modernize its architecture and improve predictive accuracy.
- Architected a Smart Recruitment Platform with AI-driven CV screening, candidate scoring, and a conversational AI interviewer, now used internally for hiring.
- Designed guardrails architecture for an LLM-based onboarding chat application with multi-phase business discovery; evaluated LLM vendors (Amazon Bedrock vs. Lintasarta Deka-LLM) and AI API gateways (Bifrost, LiteLLM, Portkey).

- Continuously integrating LLM APIs and RAG pipelines into existing enterprise workflows for intelligent decision-support.

Senior Fullstack Developer / Core Banking — PT Bank BCA Syariah

2021 – 2024 | Core Banking Team

- Contributed to the Core Banking team with deep exposure to financial transaction systems, account management, and cross-system data consistency at enterprise scale.
- Delivered a Suspicious Transaction Monitoring system integrated with BI-FAST flows, strengthening compliance and anti-fraud posture.
- Built the internal Financing Application System end-to-end; owned backend services and REST APIs across multiple enterprise applications.

Junior Fullstack Developer — PT Bank BCA Syariah

2018 – 2020 | Jakarta, Indonesia

- Foundational enterprise SDLC experience: backend and frontend development across internal applications, code review practices, and production deployment workflows.

SELECTED PROJECTS

- **Business UMKM+ — AI Web App for SMEs:** All-in-one web-based application for Indonesian small businesses, automating financial reporting, tax prep, and AI-generated content. Wired through MCP to ERP and accounting systems, with WhatsApp Business integration so owners' customers chat directly with their own AI bot. Stack: MCP, LangGraph, WhatsApp API, Vector DB, Next.js.
- **NegotiAI — Autonomous Negotiator:** Negotiation platform where AI agents handle deal-making autonomously; buyer and seller set their terms, then two agents trade offers back and forth until reaching a deal. Stack: Multi-Agent, LangGraph, Mastra, LLM APIs.
- **Managed AI Agent Platform (in development):** Fully managed agentic AI platform for enterprise clients, featuring tenant-aware MCP connectors to third-party business systems via secure API integration. Stack: Go, Next.js, MCP, LLM APIs.
- **Agentic Sprint Planner & Flow Diagram Maker:** Multi-agent system that ingests product requirements and autonomously generates sprint plans and workflow diagrams. Stack: Next.js, Python, Agent Orchestration, LLM APIs.
- **AI Market Analysis for Trading:** Market-analysis engine combining real-time financial data with LLM reasoning for narrative trading insights. Stack: LLM Agents, RAG, Financial APIs, Real-time Pipelines.
- **AI Image & Video Generator:** End-to-end media generation platform orchestrating multiple generative AI models with prompt refinement and queue-based delivery. Stack: Next.js, Generative Model APIs, Queue Workers.
- **Smart Recruitment Platform:** Agentic AI recruitment suite with automated CV parsing, candidate scoring, and a conversational AI interviewer, deployed internally at BCA Syariah. Stack: Agentic AI, RAG, Next.js, Go.
- **Suspicious Transaction Monitoring:** Real-time monitoring platform integrated with BI-FAST transaction flows to identify and triage suspicious activity. Stack: Go, PostgreSQL, Kafka, Enterprise Integration.

EDUCATION

Bachelor of Technology — STTI NIIT I-Tech, Jakarta | 2018

High School Diploma — CCIT Fakultas Teknik, Universitas Indonesia, Depok | 2016

CERTIFICATIONS & TRAINING

- GitHub Copilot Certification — Jakarta (2025)
- Thought Machine Vault, AWS Secure Cloud, RPA, HSM, Scrum — PT Bank BCA Syariah (2021–2022)