

Calvin Hendra

West Jakarta, DKI Jakarta | +6281265571198 | calvinhendra330@gmail.com | [LinkedIn](#) | [Website](#)

PROFILE

Full-stack software and AI engineer with 1.5 years of end-to-end production experience in AI-powered SaaS. Comfortable owning every layer of the stack: LLM/RAG pipelines, backend APIs, frontend interfaces, ETL, and cloud deployment. Thrives in fast-moving startup environments and consistently delivers production-ready work with measurable business impact.

EDUCATION

Binus University **West Jakarta, DKI Jakarta**
Computer Science Major; School of Computer Science / Bachelor's Degree, S-1 2022 – 2026
• GPA: 3.90/4.00

EXPERIENCE

PT Bati Investasi Teknologi **South Jakarta, DKI Jakarta**
Software Engineer Jan 2026 – present

- Shipped an AI sales widget to 5 live Shopify storefronts (Cotton Ink, Torch, Kamildea, Hijab Chic Store, Russ Simple Life) via script-injected Embed SDK, achieving 30–40% conversion rate uplift for the first client across ~10,000 daily sessions.
- Built the full AI search pipeline: intent classification, NLP query parsing (Bahasa Indonesia), hybrid text-to-SQL + Qdrant vector search, and streaming SSE responses, using LangChain and FastAPI on a multi-tenant architecture.
- Developed admin dashboard and Embed SDK in Next.js 15; backend in FastAPI with PostgreSQL, Redis, and ClickHouse; ETL service (Node.js) via Shopify GraphQL Bulk Operations.
- Deployed all services on AWS EC2 via Docker Compose and Caddy SSL; managed GitHub Actions CI/CD and Cloudflare DNS across all services.
- Developed BatiLabs Web (React + Vite): company landing page and client onboarding portal with Shopify integration, script installation flow, and Xendit payment, deployed on AWS S3 + Cloudflare.

Software Engineer Intern Feb 2025 – Jan 2026

- Financing Sales Agent Chatbot**
- Built a conversational AI chatbot for financial products (vehicle installment plans, loan calculations, foreign currency) using FastAPI, LangChain, RAG with Qdrant, and tool-calling for real-time financial calculations.
 - Implemented streaming responses, Supabase data ingestion, and containerised deployment with Docker Compose; built conversation UI in Next.js.

- Web-Based CRM for Relationship Managers**
- Developed a web-based CRM for Relationship Managers using Next.js and Node.js with JWT auth, RBAC, and PostgreSQL; built data-driven dashboards and reporting features.

UNIVERSITY PROJECT EXPERIENCE

MulaiDulu November 2024
Project Leader

- Led the development of "MulaiDulu," a coaching platform aimed at empowering MSMEs and individuals to grow their businesses.
- Built the website's backend using Laravel, implementing features such as user authentication, session management, and data processing.
- Developed the website's front end with Bootstrap, creating a responsive and visually appealing user interface.
- Designed and managed the MySQL database, enabling seamless integration for storing and retrieving user and coaching data.

MakanGak May 2024
Project Leader

- Led the development of "MakanGak," a website on food options around Binus University, to assist new students in finding meals.
- Developed the website's backend using Node.js, connecting between the front end & MySQL database for login & registration pages.
- Created the website's front end using React.js, ensuring a user-friendly and visually appealing interface.

CERTIFICATION & TRAINING

- ITversity Certification - Course-Net | February 2023
- Mastering Backend Development with Node.js Certification - BINUS Center | May 2024
- Financial Markets, Yale University - Coursera | May 2026

SKILLS

- Languages : Python, TypeScript, JavaScript
- Frontend : Next.js, React, Vite, Tailwind CSS, Embed SDK
- Backend : FastAPI, Node.js, WebSocket, REST, Redis
- AI / NLP : LangChain, RAG, Qdrant, NLP, Semantic Search, LLM APIs, Prompt Engineering
- Databases : PostgreSQL, ClickHouse, Qdrant, Redis
- DevOps : Docker, AWS (EC2, S3), Caddy, GitHub Actions, Cloudflare
- Integrations : Shopify API, Shopify GraphQL Bulk Operations, Xendit, Swagger
- Spoken : Indonesian, English, Chinese