Gamas Namara Akbar

Jakarta, Indonesia

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EXPERIENCE

Full Stack Engineer Intern — Mar. 2025 – Sep. 2025
bitbybit Studio — *Jakarta, Indonesia*

- Engineered core features for the AI Agent-powered WhatsApp commerce platform by implementing microservices architecture, which enhanced marketing automation, sales pipeline, and CRM capabilities.
- Deployed and maintained 3 core microservices (User, Messaging, and Agent Services) that power the live chat and AI Agent control features.
- Enhanced live chat interface through agent handoff, file upload, and real-time message synchronization, which improved customer support workflow and response efficiency.
- **Technologies:** Node.js, TypeScript, PostgreSQL, RabbitMQ, GCP, React, Redux

Software Engineer Intern — Sep. 2024 – Dec. 2024
OPPO Indonesia Manufacturing — *Tangerang, Indonesia*

- Achieved savings of 5,400 labor hours and approximately 330 million IDR annually by creating a real-time notification and conversational AI system that streamlined production workflows.
- Architected the core logic for the Conversational AI system that functioned as an HR Assistant, automating responses to common employee inquiries and reducing manual HR intervention.
- Constructed the centralized Admin Dashboard, providing real-time operational monitoring and data analytics (tracking KPIs) that enabled management to assess system performance and identify bottlenecks.
- **Technologies:** Go, TypeScript, Python, PostgreSQL, Docker, WebSocket, Next.js

Backend Developer Intern — Feb. 2024 – Jun. 2024
Direktorat Jenderal Pendidikan Tinggi, Riset dan Teknologi Kemdikbudristek — *Jakarta, Indonesia*

- Reduced API response times by approximately 60% by refactoring complex PostgreSQL queries, leading to faster data retrieval for critical reports on the PDDIKTI v2 platform.
- Developed and maintained RESTful API endpoints for key features on PDDIKTI v2 that ensured robust data exchange and seamless integration across multiple government systems.
- Established the CI/CD pipeline for the QnA system, automating build, test, and deployment workflows and eliminating manual deployment processes.
- **Technologies:** Go, Python, Elasticsearch, Docker, PostgreSQL, Git

EDUCATION

Airlangga University — Surabaya, Indonesia
Bachelor's Degree in Informatics Engineering — Sep. 2021 – Sep. 2025
GPA: 3.87/4.00
Coursework: Data Structures & Algorithms, Databases, Distributed Systems, Web Development, Cloud Computing

PROJECTS

Replify | *Go, PostgreSQL, TypeScript, React* — 2025

- Built an AI-powered content assistant that automates social media engagement through comment generation and sentiment analysis using LLM APIs.
- Architected AI agent workflows with tool calling for autonomous task execution and API integrations.

TECHNICAL SKILLS

Languages: Go, JavaScript, TypeScript, Python
Backend: Node.js, Echo, Gin, Express.js, Nest.js, Flask, FastAPI
Frontend: React, Next.js, TailwindCSS
Databases: PostgreSQL, MySQL, MongoDB, Redis
Cloud & Infrastructure: AWS, GCP, Docker
Tools & Others: Git, RabbitMQ, WebSocket, Grafana