Gamas Namara Akbar

Jakarta, Indonesia

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EXPERIENCE

Associate Software Engineer
Jan. 2025 – Present

Durianpay
Jakarta, Indonesia

- Building and maintaining payment infrastructure for financial technology solutions.

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 (User, Messaging, and Agent Services), which enhanced marketing automation, sales pipeline, and CRM capabilities.
- 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 and constructed the centralized Admin Dashboard, providing real-time operational monitoring and data analytics that enabled management to assess system performance.
- **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 and established the CI/CD pipeline for the QnA system, automating build, test, and deployment workflows.
- **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

High-Performance URL Shortener Service | *Go, Redis, PostgreSQL, Docker*
2025

- Engineered a scalable URL shortening service with clean architecture achieving 1,062 req/s throughput and sub-100ms P95 latency on 10M+ records through Redis caching and optimized PostgreSQL indexing.
- Implemented cache-aside pattern reducing database load by 6x and validated system performance through k6 load testing with 1,000+ concurrent users, demonstrating production-ready scalability.

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