

Gamas Namara Akbar

Jakarta, Indonesia

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EXPERIENCE

Full Stack Engineer Intern

Mar. 2025 – Jul. 2025

bitbybit Studio

Jakarta, Indonesia

- Architected AI-powered WhatsApp commerce platform that integrates marketing, sales, and customer support through intelligent agents.
- Constructed scalable microservices architecture for real-time data integration and automated workflow orchestration.
- Technologies: TypeScript, GCP, React, Node.js, PostgreSQL, RabbitMQ

Software Engineer Intern

Sep. 2024 – Dec. 2024

OPPO Indonesia Manufacturing

Tangerang, Indonesia

- Led the design and implementation of the architecture for a real-time notification system and conversational AI.
- Integrated face recognition to enable user identification and facilitate natural interactions with the AI system, supporting over 1,100 registered users.
- Improved user experience by integrating Text-to-Speech (TTS) and Retrieval Voice Conversion (RVC), providing more natural and fluent responses.
- Technologies: TypeScript, Go, Docker, PostgreSQL, Python, Next.js, WebSocket, OpenCV

Backend Developer Intern

Feb. 2024 – Jun. 2024

Direktorat Jenderal Pendidikan Tinggi, Riset dan Teknologi Kemdikbudristek

Jakarta, Indonesia

- Developed RESTful APIs for PDDIKTI v2, enabling seamless data integration and access.
- Refined query performance by leveraging advanced algorithms and concurrent processing, achieving significant reductions in processing time for complex queries.
- Streamlined production pipelines for the QnA system, ensuring reliable deployment and low-latency performance under high-traffic conditions.
- Technologies: Go, Python, Elasticsearch, Docker, PostgreSQL, Git, REST APIs

Software Engineer Intern

Sep. 2023 – Nov. 2023

PT Jasa Marga (Persero) Tbk

Jakarta, Indonesia

- Achieved 98% accuracy in detecting parking slot availability by fine-tuning the YOLOv8 model with a custom dataset.
- Engineered a real-time web-based monitoring system for parking lot visualization, enhancing user accessibility.
- Optimized image processing pipelines, reducing detection latency, by integrating pre-processing techniques and parallel processing workflows.
- Technologies: Python, PyTorch, Docker, WebSocket, Computer Vision, Flask, Git, YOLOv8

Software Engineer Intern

May 2023 – Aug. 2023

DB Klik

Surabaya, Indonesia

- Established and deployed a scalable e-commerce web application with backend and frontend systems to manage inventory, orders, and payment processing.
- Integrated secure payment processing using Xendit to enable seamless and reliable transactions.
- Technologies: JavaScript, PHP, Laravel, Git, MySQL, REST APIs, Payment Integration, AJAX

EDUCATION

Airlangga University

Surabaya, Indonesia

Bachelor's Degree in Computer Science

Aug. 2021 – Aug. 2025

Coursework: Data Structures & Algorithms, Software Engineering, Databases, Operating Systems, Cloud Computing

PROJECTS

- Replify** | *TypeScript, React, Supabase* 2025
- AI-powered content generation and sentiment analysis platform designed to elevate online presence. Features intelligent content creation tools, real-time sentiment analysis, and social media optimization capabilities.
 - Built autonomous AI agents with dynamic tool calling capabilities.
 - Designed modern React frontend with seamless user experience.
- Personal Website** | *TypeScript, React, Next.js, TailwindCSS* 2024
- Engineered a portfolio website achieving 100% GTmetrix performance score and 99 Google Lighthouse overall score.
 - Enhanced site performance through SEO optimization and semantic HTML structure.
- TEDxUniversitasAirlangga** | *JavaScript, PHP, Laravel, MySQL* 2021
- Official website for TEDxUniversitasAirlangga 2021 with theme 'Epiphany on Ephemeral'. A comprehensive booking system and interactive content management.
 - Built responsive event platform supporting 100+ attendees registration.
 - Optimized dynamic speaker management and content administration.

TECHNICAL SKILLS

Languages: Javascript, Typescript, Golang, Python, Java
Frameworks: React, Next.js, Node.js, Fastify, Express.js, Nest.js, Flask, FastAPI, Django, Spring Boot
Databases: PostgreSQL, MySQL, SQLite, MongoDB, Redis, DynamoDB
Developer Tools: Git, Docker, AWS, GCP, Azure, Apache Kafka, RabbitMQ, SonarQube, Prometheus