Taufik Pragusga

pragusga25@gmail.com | pragusga.com | linkedin.com/in/pragusga | github.com/pragusga25

EDUCATION

University of Indonesia   **2020 - 2024**
Major in Computer Science   Jakarta, Indonesia

WORK EXPERIENCE

Cloud Platform Engineer | Telkomsel   **February 2024 – June 2023**
● Developed automation scripts using AWS Lambda, EventBridge, and Python to query metrics from Datadog and store them in PostgreSQL for AI analysis.
● Created Terraform modules and comprehensive documentation for Infrastructure as Code (IaC), enhancing deployment efficiency.
● Built a web platform to manage AWS accounts with features like request permission systems and automatic freezing/rollback, improving account management and security.

Backend Engineer | BMKG   **August 2023 – December 2023**
● Designed and implemented an Earthquake Early Warning System (EEWS) using microservices and event-driven architecture with Kafka, achieving a 50% reduction in alert latency.
● Performed comprehensive analysis and optimization of each microservice component to prevent memory leaks, resulting in a 30% increase in throughput.
● Monitored and evaluated performance using Prometheus and Grafana, ensuring 100% success rate for all services.

Backend Engineer | Nomura Research Institute Indonesia   **August 2022 – May 2023**
● Utilized modern technologies including CQRS, event-driven development, and event store to build robust and scalable backend systems, ensuring high performance and maintainability.
● Simplified the recruitment process by developing an automated system from initial testing and CV screening to interview stages, resulting in a more efficient and seamless hiring process.
● Engineered an employee management system with features such as attendance tracking, leave requests, and absence authorization, improving overall operational efficiency.

PROJECTS

Simple E-commerce API| Go (Fiber, Gorm)
● Designed and implemented role-based access control (RBAC) to differentiate functionalities and permissions between admin and customer users.
● Implemented a secure and efficient checkout process integrated with the Midtrans payment gateway.
● Ensured robust functionality, smooth user experience, and data integrity by designing comprehensive API endpoints and implementing thorough data validation.

Jobsify| Node.js (Express.js, TypeScript)
● Developed a backend for a job platform using microservices architecture and NATS as the message broker, ensuring scalable and efficient communication.
● Designed three independent services, each with its own MongoDB database, and implemented strategies to maintain data consistency across services.
● Gained expertise in deploying the project using Kubernetes, enhancing scalability and management of microservices.

OTHER

● **Technical Skills**: Node.js (Nest.js, Express.js, Fastify, JavaScript/TypeScript), Go, Python (Django, FastAPI, Flask), Java (Spring Boot), Kafka, SQL/NoSQL, Docker, Kubernetes, AWS (S3, SES, Lambda), GCP
● **Languages**: Indonesian (native), English (intermediate)