Taufik Pragusga

pragusga25@gmail.com | pragusga.com | Linkedin | Github | Jakarta, Indonesia

EDUCATION

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

WORK EXPERIENCE

Software Engineer | Telkomsel   **February 2024 – June 2024**
● Automated data extraction from Datadog, saving it to a database for AI-based infrastructure analysis, enhancing data processing efficiency.
● Created AWS EC2 module using Terraform, enabling consistent and automated infrastructure provisioning across environments.
● Built a platform for managing AWS account permissions, simplifying permission management and enhancing security compliance for cloud resources.
Tech stack: Typescript, Node.js (Express.js), React.js, PostgreSQL, AWS (EventBridge, Lambda, SES)

Software Engineer | Tokopedia   **September 2023 – December 2023**
● Optimized prompt engineering for AI chatbot, implementing the HYDE method to enhance response relevance and improve overall user interactions.
● Refactored existing codebase, improving code readability and maintainability, making it easier for team members to collaborate and onboard.
● Developed and implemented comprehensive unit tests, ensuring higher code quality and stability, and reducing potential issues in production.
Tech stack: Python, Go, Flask, PostgreSQL, Azure, LangChain, OpenAI, Google Vertex

Software Engineer | Dana Indonesia   **May 2023 – July 2023**
● Collaborated on Dana's fraud detection system, unifying frontend, backend, and cloud technologies to bolster financial security.
● Enhanced fraud detection capabilities by integrating machine learning algorithms, resulting in a 40% reduction in false positives and a 20% increase in the accuracy of fraud detection.
● Streamlined the file analysis process through cloud functions, reducing the processing time for uploaded CSV files by 50%, thus enabling quicker fraud prediction.
Tech stack: Python, Typescript, Node.js (Express.js), Next.js (React.js), PostgreSQL, GCP

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.
Tech stack: Typescript, Node.js (Nest.js), PostgreSQL, AWS (DynamoDB, SES, RDS), Pulumi

OTHER

● **Technical Skills**: Javascript, Typescript, Python, Java, Go (Golang), Ruby, PHP, React.js, Next.js, Node.js, Nest.js, Spring Boot, Django, PostgreSQL, MySQL, Redis, MongoDB, AWS, GCP, Docker, Kubernetes
● **Languages**: Indonesian (native), English (intermediate)