Taufik Pragusga

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EDUCATION

University of Indonesia — Jakarta, Indonesia
Bachelor's Degree in Computer Science — *Aug. 2020 – Aug. 2024*
Coursework: Data Structures & Algorithms, Software Engineering, Databases, Operating Systems

EXPERIENCE

Cloud Platform Engineer Intern — Feb. 2024 – June 2024
Telkomsel — *Jakarta, Indonesia*
- Elevated data processing efficiency by automating data extraction from Datadog, saving 70% in manual processing time and enabling data-driven insights through AI-based analysis.
- Reduced infrastructure setup time by 50% by developing a reusable AWS EC2 module with Terraform, ensuring consistent environment provisioning across 3+ production setups.
- Enhanced security compliance by implementing a centralized AWS permissions platform, cutting security incidents by 30% and achieving 100% adherence to security protocols.

Software Engineer Intern — Sep. 2024 – Dec. 2024
Tokopedia — *Jakarta, Indonesia*
- Boosted AI chatbot effectiveness by refining prompt engineering with the HYDE method, improving response relevance by 25% and raising user satisfaction scores by 15%.
- Strengthened codebase maintainability by refactoring 20+ core components, reducing debugging time by 40%, which allowed faster issue resolution and onboarding for new developers.
- Achieved 95% test coverage with a comprehensive unit testing suite, decreasing production bugs by 30% and significantly enhancing overall code stability.

Backend Engineer Intern — Aug, 2022 – May 2023
Nomura Research Institute — *Jakarta, Indonesia*
- Cut recruitment process time by 50% by automating stages from initial testing to interviews, saving 20+ hours weekly and improving candidate experience.
- Streamlined employee operations with a custom management system, reducing administrative task time by 40% and enhancing department workflow transparency.
- Increased HR system scalability by 60% with CQRS and event-driven architecture, supporting a 30% growth in internal employee interactions.

PROJECTS

AI Resume Reviewer | *Node.js, Next.js, React.js, Typescript, Google Vertex* — Oct. 2024 – Oct. 2024
- Displayed visual metrics through interactive charts, providing users with a breakdown of strengths and targeted areas for enhancement.
- Enabled personalized feedback by highlighting key strengths and actionable improvements, aiding users in refining their resumes for increased hiring potential.

Earthquake Early Warning System | *Python, Golang, Kafka, MongoDB, Redis* — Aug. 2023 – Dec. 2023
- Engineered a robust microservices system with 5 dedicated services, leveraging Kafka as a message broker to process real-time data from over 3,000 sources.
- Optimized latency to under 1 second through precise Kafka configuration, achieving high throughput without compromising memory or CPU efficiency.
- Maintained stable performance under heavy data load, ensuring rapid response and reliability for critical early warnings.

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, Golang, 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, VS Code