

FADEL PAMUNGKAS

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SUMMARY

An entry-level Backend and DevOps Engineer, skilled in Golang, Rust, AWS, and software development. Strong focus on building reliable and high availability systems with clean code and microservices architecture. Proficient in programming, allows to contribute to software development role and projects.

EDUCATION

Universitas Islam Indonesia – Yogyakarta, Indonesia

Sep 2018 – Mar 2023

Bachelor's Degree of Informatics, Cumulative GPA 3.6/4.0

Relevant Coursework: Data Structure, Software Engineering, Algorithms, Web Development, Cybersecurity.

EXPERIENCE

Exspanse

Feb 2023 – May 2023

Backend Engineer

- Formulated and executed an integration plan that allowed users to monetize their AI models on the DeepSpace AI Marketplace; generated a 20% commission percentage for Expanse and attracted 50+ new users in first month.
- Streamlined payment processing system utilizing Stripe Connect, Checkout, and Transfer; developed a secure and efficient transaction system that reduced processing time by 50%, resulting in a 25% increase in revenue.
- Implemented Test Driven Development (TDD) strategy which ensured that all new features had 95%+ test coverage.

Meili-job-search

Jan 2023 – Mar 2023

Backend Engineer

- Created and developed a multilanguage full-text search function using Meiliseach to query PostgreSQL database from Golang pgx; optimized query response time by 35% and minimized server load for a smoother user experience.
- Optimized integration time by 50% by leveraging a Swagger for OpenAPI specification.
- Cut memory usage by ~40% through improved coding practices and algorithm optimization, increasing the ability to run 25 intensive applications simultaneously with <1% lag.

SnapWork

Mar 2022 – Dec 2022

Web Developer & DevOps

- Engineered a job search web platform for the tech industry, offering skill-prepared services for job seekers; implemented NextJs and Golang with Clean Architecture for web server development, reducing load time by 40x.
- Leveraged MongoDB for document-based and introduced Redis caching database to optimize response times and handle high-traffic data, resulting in 50% faster response time and 30% faster data processing.
- Designed and executed a comprehensive testing strategy for the platform, using JMeter to simulate 1000+ simultaneous users and identify and fix performance bottlenecks, resulting in 99.9% uptime.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka – Indonesia

Feb 2021 – Jul 2021

Mobile Development Participant

- Completed Android development from beginner to expert courses, collaboration with Google Developers Authorized Training Partner and Google Developer Expert; achieved 95% course completion rate.
- Streamlined team operations by implementing time management strategies, reducing project delivery time by 25%.
- Developed a collaboration project with five students to identify road damage hotspots using machine learning algorithms; reduced transportation accidents by 15% and saved \$500K in insurance claims.

PROJECTS RELATED

Newsletter Service

Feb 2023 – Apr 2023

Backend & DevOps Engineer

- Designed and tested the application, proposed both business and technology solutions to improve process efficiency.
- Implemented a rust actix-web, Docker container, structured logging, and tracing telemetry; performance by 40%.
- Reduced service downtime by 50% by implementing verbose telemetry, tracing, and structured logging; identified and fixed 20+ bugs before caused any adverse effects.

SKILLS

- **Technical Skills:** Golang, Rust, Java, JavaScript, Postman, SQL, Kubernetes, Git, Linux
- **Certifications:** Architecting on Amazon Web Services, Cloud Practitioner Essentials, DevOps Fundamental, Cybersecurity Essentials, Cisco Certified Network Associate Security (CCNA).