

Didik Prabowo, S.Kom

Backend Engineer

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SUMMARY

Backend engineer with 8 years of experience building scalable, high-traffic systems in fintech and govtech. Experienced in leading engineering teams, modernizing legacy systems, and designing event-driven microservices, with a strong focus on observability and production reliability. Applies AI-assisted engineering practices to accelerate delivery and improve code quality.

EXPERIENCE

PT. Infomedia Nusantara

[Project Based]

Software Engineer - GovTech Procurement, Telkom Indonesia *August 2026 - Present*

- Incrementally rewriting SPSE's Tendering domain (LKPP's national e-procurement system) from a Java monolith to Go while preserving existing business rules.
- Designed and delivered GraphQL and REST APIs for the new Go services, supporting integration and data access across the procurement platform.
- Instrumented the Java services with Prometheus RED metrics across inbound and downstream traffic, building Grafana dashboards and automated alerts for faster incident response.
- Established AI-assisted engineering practices across the development lifecycle, from code analysis and implementation to evidence-based code review, debugging, and documentation.

PT. Lunaria Annua Teknologi (KoinWorks)

Staff Engineer (Lead Software Engineer) *January 2022 - April 2026*

- Led and mentored a team of 9 engineers, driving architecture discussions, mentoring on technical design, and owning code review standards.
- Shaped the engineering roadmap with product managers, translating product requirements into architecture decisions and initiatives aligned with business goals.
- Architected and led the development of scalable, event-driven microservices for core financial systems using Go, PostgreSQL, Kafka, and Redis.
- Led the implementation of a dedicated loan repayment service, centralizing payment processing and settlement, and reducing scheduled repayment job runtime by over 60%.
- Implemented distributed tracing across 10+ backend services, reducing production incident investigation time by approximately 75%.
- Redesigned CI/CD pipelines to support REST API, gRPC, and consumer service decomposition, enabling independent deployments and reliable releases.

PT. Lunaria Annua Teknologi (KoinWorks)
Backend Engineer *April 2020 - December 2021*

- Developed REST APIs and backend services in Go and PostgreSQL for lending operations, including repayment features for web and mobile apps.
- Created a Go-based document generation service to centralize email templates and report generation, reducing code duplication across services.
- Integrated banking and payment partners for loan disbursements (BCA, OY!), balance top-ups (InstaMoney), and account statement reconciliation (BNI).
- Improved API performance by 35–40% by optimizing queries, adding indexes, and tuning data types.
- Built internal web applications using Laravel and PostgreSQL to support operational workflows.

PT. Digital Siber Indonesia
Software Engineer *August 2018 - February 2020*

- Developed a CMS platform using Laravel and MySQL, including admin and user-facing interfaces.
- Built backend APIs to support mobile application features using Go and MySQL.
- Improved website visibility by optimizing on-page SEO (Search Engine Optimization).
- Developed an end-to-end advertising platform, including backend services and dashboard applications.

SKILLS

- **Languages:** Go (Golang), Java, PHP, Python, Bash, JavaScript.
- **Frameworks & Libraries:** Echo, Chi, gqlgen, gRPC-Go, sqlx, Spring Boot, Laravel, CodeIgniter, Next.js.
- **Databases:** PostgreSQL, MySQL, Redis, MongoDB.
- **Architecture & APIs:** Microservices, Event-Driven Architecture, REST, GraphQL, gRPC, API Gateway.
- **Messaging:** Kafka, RabbitMQ, GCP Pub/Sub.
- **Infrastructure & Cloud:** Docker, K3s, Nginx, Traefik, GitHub Actions, GitLab CI, AWS S3, GCP Compute Engine, Google Cloud Storage, DigitalOcean.
- **Observability:** OpenTelemetry, Prometheus, Grafana, Datadog.
- **Testing:** Go testing, gomock, Testify, JUnit 5, Mockito, Testcontainers, Vegeta, Postman, SonarQube.
- **Security:** JWT, OAuth2, API Security, Data Encryption.
- **AI & LLM:** AI-Assisted Development, LLM Application Architecture, AI Agents, RAG, Prompt Engineering.
- **Practices:** System Design, Performance Optimization, Code Review, Technical Mentoring, Scrum/Agile.

EDUCATION

Bachelor of Information Systems *2014 - 2018*
Universitas Ahmad Dahlan, Yogyakarta