Yusuf Eko Anggoro

Backend Engineer | Microservices | Node.js, TypeScript, Go

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• **GitHub:** github.com/yusufekoanggoro

Summary

Backend Developer with over **5 years of experience** in designing, developing, and maintaining **large-scale** application backends using **Node.js, Go, and TypeScript**. Skilled in designing robust APIs, integrating third-party systems, and applying best practices for performance, security, and reliability. Passionate about **problem-solving** and always exploring new technologies to create **impactful backend solutions**.

Work Experience

PT Telkom Indonesia Tbk
Backend Developer | Aug 2019 – Mar 2025
Project: MyTEnS - Internal CRM
Services: User, Catalog, Lead, Buying, Notification, Gamification, Ticket, Worker, Dashboard

- Designed and developed 25+ RESTful APIs using Go, Node.js & TypeScript, supporting 20+ web & mobile features.
- Created custom job schedulers for background tasks such as automated report generation, email notifications, and data synchronization.
- Integrated scalable object-storage solutions with MinIO and Amazon S3.
- Responsible for production environments to ensure high availability.
- Enhanced API performance by reducing response time from 700ms to 100ms through indexing and Redis caching, improving data processing speed and user experience.
- Integrated with third-party services to extend system capabilities and automate workflows.
- Integrated Apache Kafka for asynchronous communication between microservices.
- Collaborated with 6+ cross-functional teams (Product Owners, Developers, DevOps, QA, UI/UX, and Scrum Masters) to enhance development efficiency, accelerating software delivery by 25%.
- Created and customized dashboards in Kibana to visualize application logs, metrics, and performance indicators, enabling faster issue diagnosis and better decision-making.
- Applied Clean Architecture, SOLID Principles, and Design Patterns, reducing code complexity by 30% and improving maintainability.
- Ensured code quality and stability through 100+ automated tests using Mocha, Chai, Sinon, and Jest. Reducing bugs by 60%, improving system reliability, and accelerating development.
- Resolved 50+ critical bugs from helpdesk reports by debugging, refactoring code, and maintaining legacy systems, improving system performance, stability, and reliability.
- Implemented API security best practices, including Basic Authentication, JWT, Rate Limiting, CORS, and SQL Injection prevention techniques, reducing security vulnerabilities by 70%.
- Led backend development initiatives by creating and assigning subtasks to team members, ensuring efficient project execution and collaboration.
- Reviewed 50+ pull requests as a maintainer to ensure code quality and enforce best practices; collaborated with team members through pair programming to improve development standards.

- Monitored and analyzed system logs using the ELK Stack (Elasticsearch, Logstash, Kibana), reducing issue resolution time by 50%.
- Designed MongoDB schema to support efficient data access and performance optimization; wrote SQL queries in PostgreSQL and Oracle to support backend APIs and business dashboards.
- Collaborated with the DevOps team to troubleshoot and resolve CI/CD pipeline failures, ensuring deployment stability.
- Integrated encryption techniques to protect sensitive data, preventing unauthorized access and ensuring 100% compliance with security standards.

Pijar Camp
Full Stack Developer | July 2019 – Aug 2019
- Pijar Camp is a software engineering program that provides a 6-week hands-on coding curriculum that focuses on mobile development with React Native and Node.js.

Education

Bachelor of Computer Science
Universitas Indraprasta PGRI, Jakarta
2020 – 2024 | **GPA: 3.5**

Vocational High School – Software Engineering
SMK Negeri 24 Jakarta
2016 – 2019

Certifications

- Indonesia Scrum Master I

Backend Skills

Programming Languages
- JavaScript
- Go
- Java
- TypeScript
- PHP
- Python

Frameworks
- Express.js
- Gin
- Echo
- Fiber
- Laravel

API Development
- REST API
- gRPC
- GraphQL

API Documentation
- Swagger
- Postman

Databases
- PostgreSQL
- MongoDB
- Oracle
- MySQL

Testing Frameworks
- Mocha
- Chai (assertion)
- Sinon (mock)
- Jest

Software Architecture
- Microservices
- Event-Driven Architecture
- Clean Architecture

Software Design
- SOLID Principles
- Design Patterns
- Object-Oriented Programming (OOP)

Monitoring and Logging
- Datadog
- ELK Stack (Elasticsearch, Logstash, Kibana)
- Prometheus + Grafana

DevOps and Tools
- Git
- Docker
- Kubernetes

- Jenkins

Messaging
- Kafka (Producer, Consumer)
- Redis Pub/Sub

Security
- Encryption
- Rate Limiting
- Input Validation
- SQL Injection Prevention
- CORS

Authentication
- Basic Authentication
- JWT Authentication
- OAuth 2.0
- Role-Based Access Control (RBAC)

Cloud Services
- AWS S3
- AWS EC2

Search and Indexing
- Elasticsearch (Full-Text Search, Search Engine)
- Kibana (Data Visualization)

Caching Systems
- Redis

Push Notification
- Firebase Cloud Messaging (FCM)

Task Queues and Scheduling
- BullMQ
- Node Cron

Frontend Skills

Technologies
- HTML5
- CSS3
- JavaScript (ES6+)
- TypeScript

Framework
- React.js
- Next.js

UI Frameworks & Design Systems
- Tailwind CSS
- Bootstrap
- Ant Design

State Management
- Redux

Routing
- React Router

API Integration
- Axios

Languages

- **Indonesia** (Native)
- **English** (Intermediate)