Yusuf Eko Anggoro

Backend Engineer | Crafting Scalable, Blazing-Fast API

Node.js, Go, TypeScript

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Summary

Backend Engineer 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 Engineer | Aug 2019 – Mar 2025

Project: MyTEnS - Internal CRM

Services: User, Catalog, Lead, Buying, Notification, Gamification, Ticket, Worker

- Developed 25+ RESTful APIs using Go, Node.js & TypeScript, supporting 20+ web & mobile features.
- Responsible for production environments, ensuring high availability and minimal downtime.
- 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.
- Revamped the microservices architecture by integrating Kafka for asynchronous communication, cutting inter-service latency by 60ms and enhancing overall system responsiveness.
- 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, Domain-Driven Design (DDD), CQRS, 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 by applying Test-Driven Development (TDD) principles, reducing bugs by 60%, improving system reliability, and accelerating development.
- Fixed 50+ critical bugs from helpdesk reports, performed debugging, refactored code, and maintained legacy code, improving system performance, stability, and reliability.
- Implemented API security best practices, including Basic Authentication, JWT, Rate Limiting, and CORS, reducing security vulnerabilities by 70%.
- Led backend development within the team, designing, executing, and optimizing backend solutions, contributing to a 20% increase in team productivity.
- Acted as a maintainer by reviewing 200+ pull requests, ensuring code quality, enforcing best practices, and mentoring team members to maintain high development standards.
- Monitored and analyzed system logs using the ELK Stack (Elasticsearch, Logstash,

Kibana), reducing issue resolution time by 50%.

- Structured, optimized, and maintained databases (MongoDB, PostgreSQL, Oracle, MySQL), improving query efficiency by 35% and ensuring 99.9% system uptime.
- Collaborated with DevOps to streamline and optimize CI/CD pipelines, reducing deployment time by 40% and enhancing automated testing efficiency.
- Integrated encryption techniques to protect sensitive data, preventing unauthorized access and ensuring 100% compliance with security standards.

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

- Node.js
- Java
- Go
- TypeScript
- PHP

Frameworks

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

API Development

- REST API
- gRPC
- GraphQL

API Documentation

- Swagger
- Postman

API Integration

- Third-Party API
- Internal API Integration

Databases

- PostgreSQL
- MongoDB
- Oracle
- MySQL

Testing Frameworks

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

Software Architecture

- Microservices
- Event-Driven Architecture
- Domain-Driven Design
- Clean Architecture
- CQRS

Software Design

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

Monitoring and Logging

- Datadog
- ELK Stack (Elasticsearch, Logstash, Kibana)

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)