

Yusuf Eko Anggoro

Backend Developer

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SUMMARY

A backend developer with 5+ years of experience developing and optimizing microservices architecture. Proficient in Node.js, TypeScript, and Golang, with expertise in API development, database optimization, and system performance. Passionate about problem-solving and continuously learning new technologies to develop high-performance, reliable, and maintainable backend systems that drive business growth.

EXPERIENCE

Backend Developer

PT Telkom Indonesia (August 2019 – March 2025)

- Developed high-performance RESTful APIs supporting 20+ web and mobile features, leading to a 40% system efficiency improvement through indexing and Redis caching.
- Built and maintained scalable backend services using Node.js, TypeScript, and Golang, ensuring high performance and reliability for thousands of daily active users.
- Integrated multiple external systems, automating data exchange and improving operational efficiency.
- Designed and implemented a Ticket Management System, streamlining workflow automation and tracking.
- Developed a User Management System with RBAC authentication and JWT, enhancing security and access control.
- Created an Attendance Management System, enabling real-time tracking and automated reporting.
- Built a Lead Management System, optimizing sales team performance and improving conversion rates.
- Designed and enhanced databases (MongoDB, PostgreSQL, Oracle, MySQL) to ensure high availability and performance.
- Implemented security best practices, including JWT, Rate Limiting, CORS, and encryption, safeguarding sensitive data.
- Used cloud storage solutions (Minio, AWS S3) to store and manage data efficiently, ensuring reliability and accessibility.
- Monitored and analyzed system logs using the ELK Stack (Elasticsearch, Logstash, Kibana), accelerating issue resolution and enhancing system performance.
- Collaborated with cross-functional Agile teams (Product Owners, DevOps, QA, UI/UX), actively contributing to sprint planning, daily stand-ups, backlog refinement, sprint reviews, and retrospectives to accelerate software delivery and enhance user experience.
- Engineered an event-driven architecture with Kafka, reducing data processing latency by 50% and improving real-time communication across 10+ microservices.
- Resolved critical bugs reported by the helpdesk, significantly improving system stability and performance.
- Ensured high-quality code by implementing automated testing (Mocha, Chai, Jest), reducing bugs before production releases.
- Integrated Firebase Cloud Messaging (FCM) for real-time push notifications, enhancing user engagement.
- Automated background processes with Node Cron, optimizing data processing efficiency.
- Implemented background process queues using BullMQ, ensuring efficient task execution and scalability for large workloads.
- Led backend development in a squad, driving the design, implementation, and performance optimization of backend solutions.
- Applied Clean Architecture, Domain-Driven Design (DDD), CQRS, SOLID Principles, and Design Patterns to enhance code structure and maintainability.

EDUCATION

Bachelor of Computer Science

Universitas Indraprasta PGRI
2020 – 2024 • GPA 3.5 • Jakarta, Indonesia

SKILLS

Programming Languages

- Node.js
- Java

- Go
- Typescript

Backend Frameworks

- Express.js
- Gin
- Echo
- Fiber

Databases

- MongoDB
- PostgreSQL
- Oracle
- MySQL

Caching Systems

- Redis

Search and Indexing

- Elasticsearch

API Development

- REST API
- gRPC

API Documentation

- Swagger
- Postman

API Gateways

- Kong Gateway

API Integration

- Third-Party API
- Internal Services

Testing Frameworks

- Mocha
- Chai
- 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)

Messaging

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

Task Queues and Scheduling

- BullMQ
- Node Cron

Security

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

Authentication

- Basic Auth
- JWT (JSON Web Token)
- Role-Based Access Control (RBAC)

DevOps and Tools

- Git
- Docker
- Kubernetes
- Jenkins
- CI/CD Pipelines

Cloud and Storage

- MinIO
- AWS S3

Push Notification

- Firebase Cloud Messaging (FCM)

LANGUAGES

- Indonesia (Native)