

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

PT TELKOM INDONESIA – Jakarta, Indonesia

Backend Developer (August 2019 – March 2025)

- Designed and developed a RESTful API to support 20+ web and mobile features, enhancing system efficiency and maintainability.
- Developed a backend system for Ticket Management, improving automation, real-time tracking, and API integration.
- Developed a backend system for User Management with RBAC authentication using JWT to enhance security and access control.
- Developed a backend system for Attendance Management, enabling real-time tracking and attendance report analysis.
- Developed a backend system for Lead Management, enabling the sales team to track and analyze prospects to improve sales conversion.
- Contributed to developing CRM automation and personalization features, enhancing customer retention and experience.
- Developed and optimized backend services in collaboration with a 10+ member team, ensuring high performance and reliability for thousands of daily active users.
- Resolved bugs from helpdesk reports, performed troubleshooting and debugging, and refactored code to enhance system performance and stability.
- Developed and maintained backend services using Node.js, TypeScript, and Golang within a microservices architecture.
- Worked closely with cross-functional teams (Product Owners, Developers, DevOps, QA, UI/UX, Scrum Masters) to accelerate software delivery and improve user experience.
- Collaborated in Agile teams, actively contributing to sprint planning, daily stand-ups, backlog refinement, sprint reviews, and retrospectives to enhance project execution.
- Integrated backend services with multiple external systems, ensuring seamless data flow and operational efficiency.
- Designed, optimized, and maintained databases (MongoDB, PostgreSQL, Oracle, MySQL) to ensure high performance and reliability.
- Optimized API performance, reducing response time by 40% through indexing and Redis caching.
- Applied Clean Architecture, Domain-Driven Design (DDD), CQRS, SOLID Principles, and Design Patterns to enhance code structure and maintainability.
- Protected sensitive data by implementing encryption techniques.
- Optimized data processing efficiency using background jobs with Bull.
- Collaborated with DevOps to implement and optimize CI/CD pipelines for automated backend deployment and testing.
- Monitored and analyzed system logs using the ELK Stack (Elasticsearch, Logstash, Kibana) to improve performance and troubleshooting.
- Optimized data search and retrieval performance using Elasticsearch.
- Implemented Event-Driven Architecture with Kafka to enable real-time communication between services.
- Ensured high-quality, stable codebase with automated tests in Mocha, Chai, and Jest.
- Implemented cloud storage solutions using Minio and AWS S3 to enhance data availability and reliability.
- Integrated Firebase Cloud Messaging (FCM) to enable real-time push notifications.
- Implemented API security best practices, including Basic Authentication, JWT, Rate Limiting, and CORS, to enhance data protection and prevent unauthorized access.
- Automated task scheduling with Node Cron to streamline data updates and improve system efficiency.
- Led backend development in a squad, driving the design, implementation, and performance optimization of backend solutions.

CODING BOOTCAMP ARKADEMY – Jakarta, Indonesia
Full-Stack Developer (July 2019 - August 2019)

- Arkademy is a software engineering program that provides a 6 weeks hands-on coding curriculum that focuses on mobile development with React Native and Node.js

EDUCATION

UNIVERSITAS INDRAPRASTA PGRI (2020 - 2024)
Bachelor of Computer Science - GPA 3.5

SMKN 24 JAKARTA (2016 - 2019)
Rekayasa Perangkat Lunak

SKILLS

Hard Skills

- **Programming Languages:** Go (Golang), JavaScript, TypeScript
- **Frameworks:** Gin, Echo, Fiber, Express.js
- **Databases:** MongoDB, PostgreSQL, Oracle, MySQL
- **Caching Systems:** Redis
- **API Development:** REST API, gRPC, GraphQL
- **API Documentation:** Swagger, Postman
- **API Gateways:** Kong Gateway
- **API Integration:** Third-Party API, Internal Services, Webhooks
- **Testing Frameworks:** Jest, Mocha, Chai
- **Software Architecture:** Microservices, Event-Driven Architecture, Domain-Driven Design (DDD), Clean Architecture, CQRS
- **Software Design:** SOLID Principles, Design Patterns, Object-Oriented Programming (OOP)
- **Monitoring & Logging:** Datadog, ELK Stack (Elasticsearch, Logstash, Kibana)
- **Messaging:** Apache Kafka (Producer, Consumer), Redis (Pub/Sub)
- **DevOps & Tools:** Git, Docker, Kubernetes, Jenkins, CI/CD Pipelines
- **Security:** Encryption, Rate Limiting, Input Validation, SQL Injection, CORS
- **Authentication:** Basic Auth, JWT (JSON Web Token), Role-Based Access Control (RBAC)
- **Queue & Background Processing:** Bull, Node Cron
- **Search & Indexing:** Elasticsearch
- **Cloud & Storage:** MinIO, AWS S3
- **Push Notification:** Firebase Cloud Messaging (FCM)
- **Additional Skills:** Java, Spring Boot, React.js, React Native, PHP, Laravel

Soft Skills

- Problem Solving
- Critical Thinking
- Agile and Scrum Methodology
- Communication and Collaboration
- Adaptability
- Time Management
- Attention to Detail
- Decision Making
- Self-Learning and Continuous Improvement
- Resilience and Patience
- Security Awareness
- Leadership

LANGUAGES

- Indonesia (Native)