

# Yusuf Eko Anggoro

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

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### Summary

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**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

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#### 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.
- Acted as a maintainer by reviewing 50+ 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%.

- 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
- Jenkins

DevOps and Tools

- Git
- Docker
- Kubernetes

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

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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

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