

Muh. Nasrul

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Summary

Electrical Engineering graduate transitioning into IT with 3 years of backend development experience. Proficient in Golang and TypeScript, specializing in microservices architecture, payment gateway systems, and cloud technologies (GCP, AWS). Skilled in end-to-end development, third-party integrations, and Agile methodologies.

Technical Skills

- **Languages:** Golang, TypeScript
- **Cloud & Tools:** GCP, AWS, Docker, Git, CI/CD
- **APIs & Protocols:** RESTful API, GraphQL, gRPC, RabbitMQ, GCP Pub/Sub
- **Frameworks:** Fiber, Gin, Gorilla Mux, Echo Framework, GORM
- **Databases:** MySQL, Redis, Postgre, MariaDb, Oracle, MongoDB
- **Architecture:** Microservices, Monolithic Architecture

Professional Experience

Backend Developer (Golang, TypeScript)

Youtap Indonesia

Jan 2024 – Present

- Developed payment gateway systems using microservices architecture with GraphQL, gRPC, and GCP Pub/Sub.
- Integrated third-party services (banks, SNAP BI) and built POS/E-commerce systems.
- Collaborated on enterprise application integrations.

Backend Developer (Golang)

PT. Qoin Digital Indonesia

Jul 2022 – Jan 2024

- Built scalable payment gateways using RabbitMQ, gRPC, and RESTful APIs.
- Streamlined third-party banking integrations and optimized system performance.

Education

Diploma III in Electrical Engineering

Politeknik Negeri Ujung Pandang

Sept 2018 – Sept 2021

Graduated with High Honors (GPA: 3.62).

Backend Engineering Certification

Alterra Academy

Feb 2022 – May 2022

- Mastered Golang, algorithms, database design (MySQL), and API development (Echo Framework, JWT).
- Implemented CI/CD pipelines, Docker containerization, and unit testing.

Additional Highlights

- Developed secure APIs with JWT authentication and documented them via Swagger.
- Proficient in Agile workflows, system deployment, and troubleshooting distributed systems.