Muhammad Hasan Septiadi

Senior Cloud Backend Engineer - Indonesia (Open to remote and relocation)

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PROFESSIONAL SUMMARY

Senior Backend Engineer with 14+ years architecting high-concurrency distributed systems for F&B and high-traffic media platforms. Expert in Golang, Node.js, Python, and GCP Cloud Native architectures, with production experience in microservices, monolith-to-microservices migrations, CI/CD, observability, and international remote teams.

TECHNICAL SKILLS

Core Languages	Golang / Go (4 years), Node.js / JavaScript (7 years), TypeScript (6 years), Python (2 years), PHP (4 years), Java (1 year)
Cloud & DevOps	GCP (3 years): Cloud Run, Pub/Sub, Cloud Functions, GKE, Cloud Tasks; AWS (1 year); Docker, Kubernetes, Terraform, GitHub Actions, CI/CD
Architecture	Microservices, Event-Driven Architecture, gRPC, Protobuf, GraphQL, REST, WebSocket, Serverless, Multi-Tenancy
Data & Storage	PostgreSQL, MongoDB, Redis, MySQL, ArangoDB, ElasticSearch, Qdrant
Messaging	Apache Kafka, RabbitMQ, NATS, Google Cloud Pub/Sub, Google Cloud Tasks
Observability	Grafana, Google Cloud Logging, Error Reporting, OpenTelemetry, Distributed Tracing
AI	RAG, LLM integration, DeepInfra, hybrid search, TensorFlow, cited-answer systems

WORK EXPERIENCE

Senior Backend Engineer | Qios.id (Strategic Tech Partner of Bank Mandiri)

Indonesia | March 2024 - Present

- Architected a high-availability backend for kiosk and digital ordering systems used by Bank Mandiri F&B merchants, achieving 99.99% service reliability.
- Built cloud-native microservices on GCP and Cloud Run; codified infrastructure with Terraform.
- Established CI/CD with automated integration testing and 80%+ code coverage.
- Implemented observability with Cloud Logging and Error Reporting.
- Developed an AI chatbot using a RAG pipeline for client Q&A and sales forecasting.

Senior Backend Engineer (Remote) | Payever

Germany | January 2020 - December 2023

- Engineered backend systems for a website builder within a commerce operating system.
- Built an AI video object-detection service using Python and TensorFlow for automated product tagging.
- Improved high-concurrency user actions with Redis pub/sub.
- Mentored junior developers, conducted code reviews, and worked with an international remote team.

Senior Backend Engineer | Kumparan

Indonesia | April 2017 - January 2020

- Decomposed a media platform monolith into independently deployable microservices serving 50 million monthly active users.
- Moved critical high-throughput services from NodeJS to Golang.
- Implemented inter-service communication with gRPC and Protobuf.
- Migrated ArangoDB to PostgreSQL to improve consistency and ACID compliance.
- Led and mentored the backend team.

EARLIER EXPERIENCE

Earlier Career | Mainspring Technology

July 2016 - April 2017

- Built a custom plagiarism-detection system processing hundreds of daily articles and standardized version control on Git.

Earlier Career | Detik.com

February 2012 - July 2016

- Developed high-traffic community platforms for a news portal with 140M+ daily visits.
- Built centralized SSO and anti-spam systems handling millions of daily requests.

Earlier Career | Finenz

January 2011 - August 2011

- Engineered automated trading reporting tools.

Earlier Career | Mynts Solusindo

December 2009 - January 2011

- Delivered a full-stack shopping platform.

SELECTED AI PROJECTS

Project | Islamic Article RAG

- Built a Go backend that answers questions about Indonesian Islamic articles with retrieval-augmented generation.
- Ingested Markdown articles into MongoDB and Qdrant, then combined hybrid search with an LLM served through DeepInfra to produce cited answers.
- Implemented rate limiting, topic filtering, and optional full-article context in the HTTP API.
- Published: https://islam.seruniye.com

Project | AI-Moderated Game Chat

- Built a Go engine for Werewolf, Mafia, and custom social-deduction modes in web chat rooms and Discord channels.
- Stored game rules in JSON templates and used an LLM moderator to narrate matches.
- Implemented a deterministic Bailiff that validates every action against the rules so chat cannot change the game.
- Published: https://chat.seruniye.com | https://dashboard.seruniye.com

EDUCATION

Bachelor's Degree - Information System, President University, 2009