

Fathima Sithara

Backend Engineer (Golang) | Microservices | Kafka | Redis

✉ fathimasithara011@gmail.com ☎ +91 8301955058 🌐 GitHub 🌐 LinkedIn

PROFILE

Backend Engineer with 1+ year of experience building scalable backend systems using Go. Experienced in designing REST APIs, implementing JWT-based authentication and RBAC, handling ACID transactions in PostgreSQL, and building asynchronous workflows using Redis and Kafka. Strong understanding of layered architecture and concurrency patterns in Go.

SKILLS

Languages: Go (Golang), SQL

Backend: RESTful APIs, Microservices Architecture, WebSockets, Clean Architecture, MVC

Frameworks: Gin, Fiber, GORM

Concurrency: Goroutines, Channels, Mutex

Databases: PostgreSQL, MySQL, MongoDB

Caching & Messaging: Redis, Kafka

Architecture: Layered Architecture, Modular Monolith

DevOps: Docker, Git, GitHub Actions (CI/CD), Postman, Linux

Security & Authentication: JWT, bcrypt, Role-Based Access Control (RBAC)

Testing: Unit Testing, Table-driven tests, Testify

Cloud: AWS (EC2, S3, RDS - basic)

PROFESSIONAL EXPERIENCE

Backend Developer | Bridgeon, Kerala | Feb 2025 – Present

- Designed and maintained backend services using Go (Gin, GORM) for trading and subscription workflows.
- Implemented JWT-based authentication and RBAC to support multi-role access (Admin, Trader, Customer).
- Integrated Redis caching to reduce database load and improve API performance.
- Built Kafka-based asynchronous processing for handling subscription lifecycle events.
- Implemented transactional balance updates using PostgreSQL to ensure data consistency.
- Containerized applications using Docker for consistent development and deployment environments.

PROJECT EXPERIENCE

TradeVerse – Multi-Role Trading Platform | Go, Gin, GORM, Cron Jobs, JWT, PostgreSQL, RBAC

- Built a modular monolith trading backend supporting Admin, Trader, and Customer roles.
- Designed wallet ledger system with transactional balance updates ensuring consistency.
- Implemented subscription lifecycle automation using cron-based background jobs.
- Developed JWT-based authentication and RBAC authorization system.
- Structured application using layered architecture (Handler → Service → Repository) for maintainability.

Real-Time Chat App | Go, WebSockets, Kafka, Redis, MongoDB

- Designed a distributed real-time messaging system using Go microservices.
- Implemented WebSocket-based bi-directional communication for live messaging.
- Integrated Redis Pub/Sub for low-latency event broadcasting.
- Used Kafka for durable event streaming and asynchronous processing.
- Persisted chat messages using MongoDB.

EDUCATION

B.Tech - Electronics and Communication Engineering

APJ Abdul Kalam Technological University, Kerala | CGPA: 7.57/10

2020 – 2024

Kerala, India