

Kerala, India
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MOHAMED FAWAS

Backend Developer (Golang)

Portfolio: mohamedfawas.github.io
github.com/mohamedfawas
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- Backend developer with **over a year of hands-on experience** building scalable web applications using Golang.
- Designed and developed a **microservices-based matrimonial platform**, deployed on **GCP**, **authentication**, **payment integration**, **cloud deployment** and featuring **1-1 real-time text chat**.
- Built a **monolithic e-commerce backend**, applying clean architecture, robust API development, database design, and solid backend engineering fundamentals.
- Active **open-source contributor**, with merged commits to **ToolHive (managed by StackLok)**, improving **testing workflows and developer documentation**

TECHNICAL EXPERIENCE

Golang developer trainee

April 2024 — present

Prototype

Kerala, India

- Developed two backend systems as part of an industry-evaluated training program: a microservices-based matrimonial platform (deployed on GCP) and a monolithic e-commerce backend..
- Backend Tech Stack: Go, PostgreSQL, MongoDB, Redis, RabbitMQ, WebSocket, gRPC
- Deployment: Docker, Kubernetes (GKE), Cloud SQL, Cloud Storage, GitHub Actions (CI/CD)

Software Design Engineer intern

Jun 2022 — Aug 2022

Number Theory Software Pvt. Ltd.

Gurugram, Haryana

- [Full time internship](#)
- Worked on monitoring and optimizing multiple data pipelines within an AI/data science platform.
- Analyzed data flow across pipeline stages to identify bottlenecks and improve processing efficiency.
- Tech stack: Pandas, Numpy, Python

AI/ML intern

Aug 2021 — Dec 2021

Reflections Info Systems PVT LTD

Thiruvananthapuram, Kerala

- [Part time internship](#)
- Developed banking chatbots using the RASA framework in collaboration with the NLP team.
- Tools used : RASA

PROJECTS

Qubool Kallyanam – Matrimonial Platform

Microservices | Golang | gRPC + REST | Docker + Kubernetes

quboolkallyanam.xyz

[GitHub Repository](#)

- Developed the **backend of a microservices-based matrimonial platform**, consisting of **Auth, User, Chat, Payment, Notification services and an API Gateway**.
- Designed **SQL-based matchmaking and profile filtering** (age, location, education, profession, religious sect, height) using PostgreSQL.
- Integrated **Razorpay** for payment workflows and secure transaction handling.
- Implemented asynchronous communication using **RabbitMQ** locally and **Google Pub/Sub** on GCP to align with cloud-native messaging patterns
- Added **photo upload and retrieval using Google Cloud Storage with secure signed URLs**.
- Implemented **1-1 real-time text chat** using **WebSockets**, with **MongoDB** for fast, schema-flexible message storage
- Containerized all services using Docker and deployed to Google **Kubernetes (GKE autopilot)** with **Cloud SQL, Cloud Storage, and Ingress**; automated deployments using **GitHub Actions**

RMShop – E-commerce Platform

Monolithic | Golang | REST API | Railway + Supabase

rmsports.xyz

[GitHub Repository](#)

- Developed a **monolithic e-commerce backend** for sports merchandise using Go and Clean Architecture principles.
- Built core modules for **authentication, product catalog, cart, orders, Razorpay payments, admin dashboard, and wallet-based refunds**.
- Used **PostgreSQL (Supabase)** for data persistence and integrated **Cloudinary** for image storage and delivery.
- Deployed the Go application on **Railway** ; previously deployed on **AWS EC2 + RDS** with Nginx as a reverse proxy.

EDUCATION

MSc Computer Science (Specialization: Data Analytics), IIITM Kerala

Sep 2020 - Jul 2022

Bachelor of Science in Statistics, Farook College, Kozhikode

Jun 2017 - Mar 2020

SKILLS

Languages	Go (Golang), SQL
Backend	REST, gRPC, WebSocket, Clean Architecture, Microservices
Databases	PostgreSQL, MongoDB, Redis
Messaging	RabbitMQ, Google Pub/Sub
DevOps	Docker, Kubernetes (GKE), GitHub Actions
Cloud	GCP (Cloud SQL, Cloud Storage), AWS (EC2, RDS)
Tools	Nginx, Cloudinary, Git, Linux, WSL
Communication	English, Malayalam, Hindi, Tamil