

# MOHAMED FAWAS

Backend Developer (Golang)

Kerala, India  
fawastmh@gmail.com

Portfolio: [mohamedfawas.github.io](https://mohamedfawas.github.io)  
[github.com/mohamedfawas](https://github.com/mohamedfawas)  
[linkedin.com/in/mohamed-fawas](https://linkedin.com/in/mohamed-fawas)

- 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

Brototype

April 2024 – present

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

Number Theory Software Pvt. Ltd.

Jun 2022 – Aug 2022

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

Reflections Info Systems PVT LTD

Aug 2021 – Dec 2021

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  
GitHub Repository

[quboolkallyanam.xyz](http://quboolkallyanam.xyz)

- 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  
GitHub Repository

[rmsports.xyz](http://rmsports.xyz)

- 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  
Bachelor of Science in Statistics, Farook College, Kozhikode

Sep 2020 - Jul 2022

Jun 2017 - Mar 2020

## SKILLS

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