

SHOAIB YUSUF HUBAB

Master's student in Electromobility

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PROFESSIONAL SUMMARY

Working Student and Software Engineer with 2+ years of strong hands-on experience in Golang-based backend and middleware development, specializing in microservices, APIs and cloud-native systems. Proven expertise in building high-throughput Go services, concurrent middleware and NoSQL-backed systems with MongoDB as the primary database. Experienced in Dockerized deployments, CI/CD, AWS and modern frontend integrations. Passionate about ownership, fast iteration and building scalable, secure systems in early-stage startup environments.

WORK EXPERIENCE

03/07/2023 – 12/09/2025

Coimbatore, India

Blueocean Digital India Private Limited, Software Engineer

- Designed and developed **high-performance Golang middleware and microservices** for telecom, EV charging and IoT platforms.
- Built **concurrent Go services and API gateways** handling charging, billing, AAA (RADIUS, Diameter), SIP and subscription workflows.
- Architected **MongoDB-first backend systems**, designing NoSQL schemas and aggregation pipelines for high-volume transactional data.
- Developed and optimized **REST APIs** consumed by internal tools and **dashboard-style frontend applications**.
- Containerized services using **Docker** and deployed to **AWS (EC2, S3)** via **GitHub Actions CI/CD pipelines**.
- Built and maintained **responsive frontend components** using **JavaScript, HTML and CSS** integrating APIs for real-time data visualization.
- Wrote **automated backend and API tests** using Pytest, Cypress and Playwright to ensure production stability.

15/12/2022 – 14/06/2023

Coimbatore, India

Blueocean Digital India Private Limited, Software Engineer Internship

- Developed **Golang REST APIs** with **MongoDB** for subscription management and usage tracking.
- Contributed to **OCPP-based backend services** and real-time communication workflows.
- Assisted with **API testing, Swagger documentation** and **Linux-based deployments**.

EDUCATION AND TRAINING

01/10/2025 – Current

Erlangen, Germany

MSc Electromobility-ACES,

Friedrich-Alexander University of Erlangen-Nuremberg

Major: AI & Autonomous Driving, Sustainable Mobility & Production Technology

31/07/2019 – 17/05/2023

Coimbatore, India

Bachelor of Electrical and Electronic Engineering,

Sri Ramakrishna Engineering College - Anna University

Final grade: 8.22/10

SKILLS

Backend & Middleware

- Golang – middleware, microservices, concurrent systems
- Python – backend services, automation, AI integrations
- REST APIs, gRPC, WebSockets, Webhooks
- Microservice Architecture, API Gateways

Frontend

- JavaScript / TypeScript
- React (API-driven dashboards), HTML, CSS
- Real-time & data-heavy UI integrations

Databases

- MongoDB – schema design, aggregation pipelines
- PostgreSQL – secondary relational use cases

Cloud & DevOps

- Docker, Kubernetes
- AWS (EC2, S3)
- GitHub Actions, CI/CD
- Linux, Git, CLI

TECHNICAL PROJECTS

SIP Proxy Server, Golang, SIP, UDP/TCP

- Built **low-latency communication services** supporting real-time protocols.
- Focused on concurrency, reliability and automated CI testing.

RAG Chatbot Backend, Python, Django, MongoDB/PostgreSQL, Docker

- Designed a **production-grade backend service** using RAG architecture.
- Implemented document ingestion, vector search and scalable APIs.

Personal Portfolio Website, JavaScript, HTML, CSS

- Built **responsive, API-driven frontend pages** to showcase projects and backend integrations.
- Focused on clean UI, performance, and maintainable structure.

CERTIFICATIONS

Golang (Go) Programming

Udemy

Python, SQL, Data Cleaning & Visualization

Kaggle

Docker & Kubernetes

Udemy

Cypress Automation Testing

Udemy

LANGUAGE SKILLS

English

Proficient

German

Basic - actively learning

Tamil

Mother tongue(s)

HOBBIES AND INTERESTS

Backend engineering • MongoDB-driven architectures • IoT & embedded security •
Linux systems • cloud infrastructure • badminton