

# SHOAIB YUSUF HUBAB

*Master's student in Electromobility*

✉ shoaibyusuf15@gmail.com

☎ (+49) 15565581584

📍 Geschwister scholl straße 3, 91058,  
Erlangen, Bavaria, Germany

🌐 linkedin.com/in/shoaibyusufh

🔗 shoaibyusufh.github.io/



## 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