

# MOHAMMED RAQUIB R

## SENIOR PYTHON DEVELOPER

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## SUMMARY

Senior Python Developer with over 3 years of experience in backend development, RESTful API design using FastAPI, and MySQL optimization. Experience with Docker, AWS EC2 deployments, and real-time systems using socket and asynchronous programming. Developed and supported backend systems in industrial automation and enterprise applications with an emphasis on performance and reliability.

## SKILLS

**LANGUAGES:** Python, SQL, HTML, CSS, JavaScript

**SOFTWARE AND TOOLS:** Apache JMeter, WebSocket Test Client, KeyCloak, Postman, Redis

**DEVOPS / CLOUD:** Docker, AWS EC2, S3, Git, Kubernetes

**CONCEPTS:** REST APIs, Async IO, Socket Programming, Threading, System Integration, SOLID Principles, API Best Practices

**SOFT SKILLS:** Problem Solving, Self-learning, Communication, Leadership, Team Work

## EXPERIENCE

### AUSWEG INFO CONTROLS PVT LTD

Senior python Developer

COIMBATORE, TAMIL NADU

May 2023 – Present

- Built and maintained REST APIs using FastAPI with optimized MySQL queries.
- Deployed applications using Docker on AWS EC2 and local servers.
- Conducted peer code reviews and provided technical guidance to junior developers.

### AUSWEG INFO CONTROLS PVT LTD

Junior Software Developer

COIMBATORE, TAMIL NADU

Oct 2021 – May 2023

- Developed backend systems in Python and MySQL to support concurrent users.
- Implemented socket-based real-time data collection from industrial systems.
- Migrated legacy Python 2.7 codebase to Python 3.9, improving reliability and speed.

## EDUCATION

Bachelor of Science in Information Technology

Hajee Karutha Rowther Howdia College

Nov 2020 – Jun 2023

CGPA: 7.78

Higher Secondary Education

Gayathri Matric Higher Secondary School

Jun 2019 – Mar 2020

Percentage: 63.08

## FREELANCE AND INDEPENDENT PROJECTS

### STOCK CONTROL MANAGEMENT APPLICATION

Python | Fast API | MySQL | Angular.js | Docker | Hostinger VPS

- Developed a stock management system with inventory tracking and reporting using Angular.js.
- Created REST APIs with FastAPI and MySQL handling 500+ daily transactions.
- Delivered an end-to-end solution from database design to Docker-based deployment on Hostinger.

### HIKVISION CAMERA EMPLOYEE SYNC INTEGRATION

Python | .NET | Digest Authentication | API Integration

- Established a streamlined Python-based employee data synchronization system between the HR database and Hikvision camera systems, integrated with a .NET application for real-time data management.
- Implemented secure digest authentication for seamless API communication, achieving fully hands-free sync and reducing manual entry errors by 95%.

## **RFID READER MANAGEMENT SYSTEM**

.NET | RFID SDK Integration | License Validation | Database Management

- Created a comprehensive .NET application for RFID tag scanning and data management with enterprise-grade security, integrating third-party RFID SDKs for seamless hardware communication.
- Implemented robust license validation, secure user authentication, and real-time data posting with efficient database operations and reporting.

## **KEY CORPORATE PROJECTS**

### **REAL – TIME EQUIPMENT OEE MONITORING SYSTEM**

Python | Socket Programming | SQL | PLC Integration

- Used socket programming in Python to collect real-time PLC data for OEE monitoring.
- Achieved a 20% reduction in equipment downtime, 15% increase in productivity, and 10% improvement in resource utilization through data-driven insights.

### **CAR PARKING SYSTEM AUTOMATION**

Python | Fast API | Socket Programming | Threading

- Built communication between PLCs and systems for parking automation and created REST APIs for integration with a web app.
- Optimized database architecture, resulting in a 40% improvement in query performance and a 25% reduction in response time.

### **SFTP FILE TRANSFER SOFTWARE**

Python | Fast API | Async IO | SFTP Protocol

- Built internal software for file transfer using Async IO to support multiple transfers at once.
- Enhanced file transfer speed by 40% with a user-friendly interface and real-time progress tracking.

### **REALTIME ENERGY MONITORING SYSTEM**

Python | Socket Programming | MYSQL | TCP/ IP

- Collected energy meter data in real-time using TCP/IP sockets and stored it in MySQL.
- Achieved a 25% reduction in energy consumption and contributed to significant cost savings and sustainability through timely identification of inefficiencies.

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## **CERTIFICATES**

QTree Certified Web Developer  
AI Tools Workshop Certification (Be10x)

**Mar 2023**

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