

MOHAMMED RAQUIB R

SENIOR PYTHON DEVELOPER

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SUMMARY

Versatile Senior Python Developer with 3+ years of experience specializing in Python backend development, REST API design with Fast API, and MySQL database optimization. Proven expertise in containerization with Docker, cloud deployment on AWS EC2, and cross-platform integration. Strong track record of delivering end-to-end solutions from development to production deployment, improving operational efficiency by up to 40%. Experience spans backend APIs, database design, system integration, and delivering freelance projects.

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

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

EXPERIENCE

AUSWEG INFO CONTROLS PVT LTD

Senior Software Developer

COIMBATORE, TAMIL NADU

May 2023 – Present

- Architected and enhanced robust REST APIs using FastAPI, handling 10,000+ daily requests with 99.9% uptime, and optimized MySQL schemas and queries for a 50% boost in data retrieval performance.
- Led Docker-based containerization for all projects, deploying seamlessly across AWS EC2 and on-premises environments.
- Mentored junior developers and conducted in-depth code reviews, reducing bugs by 40% and significantly improving code maintainability.

AUSWEG INFO CONTROLS PVT LTD

Junior Software Developer

COIMBATORE, TAMIL NADU

October 2021 – May 2023

- Improved scalable Python backend systems with MySQL integration, handling over 500 concurrent users and increasing response times by 40% through optimized queries.
- Implemented advanced socket programming for real-time data extraction from industrial equipment and developed RESTful APIs for client applications.
- Migrated legacy Python 2.7 codebase to Python 3.9, resulting in 15% performance improvement and enhanced security.

EDUCATION

Bachelor of Science in Information Technology
Hajee Karutha Rowther Howdia College

November 2020–June 2023
CGPA: 7.78

Higher Secondary Education
Gayathri Matric Higher Secondary School

June 2019–March 2020
Percentage: 63.08

FREELANCE AND INDEPENDENT PROJECTS

STOCK CONTROL MANAGEMENT APPLICATION

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

- Built a comprehensive stock management system with real-time inventory tracking, dynamic reporting, and a responsive Angular.js frontend.
- Engineered scalable REST APIs using FastAPI and MySQL, handling 500+ daily inventory transactions and reducing manual oversight by 40%.
- Delivered an end-to-end solution from database design to Docker-based deployment on Hostinger VPS, 99.9% uptime monitoring, and 30% faster development through agile workflows.

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

- Deployed Python socket programming to extract real-time data from PLCs for Equipment Overall Equipment Effectiveness monitoring, enabling actionable analytics and performance tracking.
- 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

- Orchestrated communication protocols between systems and PLCs for efficient car parking operations and developed RESTful APIs for seamless web app integration, boosting user satisfaction by 30%.
- 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

- Architected robust internal software for secure file transfer with real-time synchronization, using asynchronous Async IO to handle multiple simultaneous transfers efficiently.
- 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

- Executed TCP/IP socket programming for real-time data acquisition from energy meters with MySQL data persistence and automated data-driven analytics.
 - 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)

March 2023
