

# SUBHANI MOHAMMAD

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## PROFESSIONAL SUMMARY

Senior Python Developer with 6+ years of experience in designing high-performance Microservices and scalable backend systems. Expert in FastAPI, Kubernetes, and PostgreSQL. Proven track record in migrating monolithic systems to containerized cloud architectures, reducing latency by 40%, and leading cross-functional teams across India and South Korea.

## TECHNICAL SKILLS

- Languages & Frameworks: Python (Expert), FastAPI, Flask, Django, SQL.
- Cloud & DevOps: Kubernetes (K8s), Docker, AWS (EC2, S3, RDS), Jenkins, Git, Pex, Poetry.
- Distributed Systems: Kafka, Redis, Microservices Architecture, RESTful APIs.
- Databases: PostgreSQL, OpenSearch, ElasticSearch, MongoDB.

## PROFESSIONAL EXPERIENCE

### TATA CONSULTANCY SERVICES (TCS) | Hyderabad, India

*Senior Python Developer / Technical Lead | Nov 2022 - Present*

- Architected and migrated a legacy monolith to a Microservices-based architecture using FastAPI and Docker, improving system modularity.
- Deployed and managed containerized applications on Kubernetes (K8s), utilizing Helm charts for configuration and horizontal pod autoscaling to handle traffic spikes.
- Implemented CI/CD pipelines using Jenkins and Git, streamlining the deployment of Pex-packaged Python binaries to cloud environments.
- Optimized PostgreSQL indexing and query execution plans, resulting in a 70% reduction in database response times.

#### Onsite Technical Lead - GS CALTEX (Yeosu, South Korea)

- Led the onsite technical discovery to align South Korean stakeholders with offshore engineering capabilities.
- Directed the migration of Python logic to AWS-hosted environments, ensuring strict adherence to client security protocols.

### INFOSYS LIMITED | Hyderabad, India

*Senior System Engineer | Jan 2020 - Nov 2022*

- Developed a suite of Microservices using Flask to automate Identity and Access Management (IDAM) workflows for HPE.
- Containerized automation scripts with Docker to ensure consistent execution environments across dev/prod stages.
- Configured CyberArk security components and integrated them with Python backend services via secure APIs.

## EDUCATION & CERTIFICATIONS

### B.Tech in Computer Science | SIR C.R REDDY COLLEGE OF ENGINEERING

- Infosys Certified Python Associate
- NPTEL: Data Structures & Algorithms Using Python