

ROHITH R

Bengaluru, Karnataka

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Profile SUMMARY

Experienced DevOps and Python Engineer in CI/CD automation, cloud infrastructure provisioning, and data-driven backend development. Proficient in Python scripting, data analysis with Pandas and NumPy, and monitoring systems using Prometheus and Grafana. Strong background in Flask/Django backend systems, containerization with Docker/Kubernetes, and infrastructure-as-code using Terraform. Exploring machine learning projects and open to roles in DevOps, Python development, and data analytics.

WORK EXPERIENCE

Consultant (DevOps & Python) - Quest Global Private Limited

OCT 2023 - FEB 2025

Project: TELEVIC-FIM (Fleet Information Management)

- Designed and maintained CI/CD pipelines using Jenkins to automate Docker-based builds and deployments.
- Built containerized Python microservices and deployed using Docker Compose and Kubernetes (Minikube).
- Implemented Prometheus + Grafana stack for infrastructure monitoring and alerting.
- Developed Python APIs for secure file transfer via SMB/SFTP/FTP.
- Wrote Terraform scripts to provision EC2 and S3 infrastructure on AWS.
- Used SQL queries for backend validations and log auditing during automation.
- Collaborated with cross-functional Agile teams to streamline DevOps workflows.

Associate Software Engineer - Avin Systems Private Limited

Dec 2021 - Mar 2023

Project 1: AutoCI (Flask CI/CD App for Automotive Microservices)

- Developed an internal web tool called AutoCI to simulate CI/CD workflows for containerized automotive microservices.
- Built using Flask, integrated with Jenkins and Docker for automation, and deployed using Kubernetes (Minikube).
- Used Prometheus and Grafana for observability.
- Streamlined DevOps workflows in an AUTOSAR-aligned automotive environment.
- Styled the Flask frontend with HTML/CSS.
- Utilized big data tools including Hadoop and Hive for scalable data processing.
- Developed and optimized data pipelines to handle large-scale datasets.
- Followed SDLC and produced KPI reports to improve project efficiency.

Project 2: Traffic Light Recognition (TLR)

- Worked on the Traffic Light Recognition (TLR) system using Python and OpenCV to detect and classify traffic lights.
 - Built CNN-based models for real-time traffic light recognition.
 - Integrated with C++ systems and supported smart vehicle/ADAS use cases.
 - Cleaned and analyzed data using Pandas and NumPy.
 - Visualized model performance in Power BI and matplotlib.
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TRAINING

DevOps & Python - Apponix Technologies

- Completed hands-on training on CI/CD pipelines, Jenkins, Docker, Kubernetes, and Python scripting.
 - Built a sample Flask CI/CD pipeline using Jenkins and Docker.
 - Gained exposure to cloud deployment practices and infrastructure as code using Terraform.
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PROJECTS & INTERSHIPS

- CI/CD Pipeline Project: Flask + Jenkins + Docker (GitHub integrated)
 - Terraform on AWS: EC2, S3 provisioning using Terraform
 - Microservices on Kubernetes: Deployed & scaled with Minikube
 - Prometheus & Grafana Monitoring: Local Docker Compose observability stack
 - Travello Web Application: Django + PostgreSQL travel management site
 - Voice Assistant: NLP-based Python voice command tool
 - ML Project (GitHub): Built a basic spam classifier using scikit-learn and Python
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CERTIFICATIONS & TRAINING

- DevOps Toolchain Bootcamp – Apponix
 - Python for Automation – CutSort
 - Kubernetes for Developers – Internal L&D
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Technical Skills:

- **Languages:** Python, Java, SQL, Bash, C++, JavaScript
 - **DevOps Tools:** Git, Jenkins, Docker, Kubernetes, Terraform, NGINX, Prometheus, Grafana
 - **Cloud:** AWS (EC2, S3, IAM), Azure (basic)
 - **Frameworks:** Django, Flask, Robot Framework (POM), Spring Boot
 - **Monitoring:** Prometheus, Grafana
 - **Big Data:** Hive, Hadoop, Databricks
 - **Databases:** PostgreSQL, MySQL, SQL Server
 - **Libraries:** Pandas, NumPy, OpenCV, Matplotlib
 - **Others:** REST APIs, GitHub, GitLab, Bitbucket, SMB/SFTP, Agile/Scrum, Power BI
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EDUCATION

East west institute of technology: Bachelor of Engineering in Information Science. Aug2017-Jul2021