Raghuvir Dav

Python | DevOps | Security

No sponsorship required.

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About Me

A versatile Python Developer with a robust background in DevOps and Security, specializing in cloud technologies, web application development, and data pipeline management. With a proven track record of delivering complex projects in diverse environments, I excel at developing scalable applications, automating workflows, and enhancing system efficiency. My experience spans financial sector (FinTech), construction sector, cloud infrastructure management, and contributions to social good through technology. AWS certified and committed to continuous learning, I aim to leverage my skills in software development, data analysis and platform engineering to drive innovation and efficiency.

Skills

Programming Languages: Python, Django, Flask, Plotly DASH
DevOps Tools: GIT, Linux, Docker, Kubernetes, Terraform, Ansible
Cloud Platforms: AWS, IBM Cloud
Databases: PostgreSQL, MySQL, MongoDB
Data Analysis: Pandas, NumPy
OS: Linux, Windows, MacOS
Web Development: HTML, CSS, JavaScript

Awards

AWS DevOps Engineer - Professional
AWS Developer - Associate

Professional Background

Software Engineer (Data Pipeline) - STT (Stop the Traffic), London (December 2023 - Present)

- Development and maintenance of a sophisticated data pipeline to analyse and process data critical for anti-trafficking initiatives, enhancing the NGO's operational efficiency and impact.
- Implement and manage Continuous Integration/Continuous Deployment (CI/CD) pipelines, significantly reducing deployment times and improving code quality.
- Utilize Python for developing scalable scripts and applications, improving data processing speed.
- Oversee the usage and updates of Machine Learning models to analyse trends and predict trafficking activities, increasing model accuracy.
- Employ IBM Cloud, Docker, Kubernetes and MongoDB to automate and streamline operations, achieving a reduction in operational costs.
- Collaborate closely with cross-functional teams to ensure the seamless integration of technology solutions, enhancing team productivity and data analysis capabilities.

Cloud/Python Developer - QTech Analytics, Ahmedabad (January 2022 - September 2022)

- Led the development of a Plotly Dash-based web application for Pre trading data analysis, significantly enhancing the decision-making process for financial analysts.

- Designed and implemented the system design for application.
- Spearheaded the integration of interactive dashboards that enabled real-time data visualization, increasing user engagement using Plotly DASH.
- Managed AWS cloud resources, optimizing infrastructure costs through effective use of automation tools such as Terraform and Ansible.
- Drove the adoption of DevOps practices, reducing deployment times and improving system reliability.
- Collaborated with cross-functional teams to ensure seamless application development, deployment, and management, enhancing team productivity.

DevOps/Linux Support – MSBC Group, Ahmedabad (April 2021 - December 2021)

- Managed AWS resources: EC2, Lambda, RDS, S3, VPCs, ECS, Code Pipeline, ECR, IAM, SNS, Fargate.
- Automated infrastructure via Python, Terraform, and Ansible scripts.
- Build Jenkins/Git CI/CD pipelines.
- Contributed to Docker & Kubernetes application deployment.
- Contributed to Terraform & CloudFormation for infrastructure-as-code.
- Configured AWS CloudWatch, Grafana and Prometheus for automation, alerting and monitoring.
- Supported Postgres setup, backup, and recovery tasks.
- Collaborated with teams on application & infrastructure troubleshooting.
- Created Lambda functions using Python to automate daily tasks.
- Supported clients with Linux, Windows and MacOS queries.

Python Developer - MSBC Group, Ahmedabad (March 2020 - March 2021)

- Worked on the development of a construction management solution using Python, Django, PostgreSQL, and Sandbird API.
- Participated in the design, development, and deployment of web-based applications.
- Developed and maintained various APIs to facilitate data exchange between different services.
- Optimized database queries and implemented indexes to improved application performance.
- Participated in code reviews, bug fixing, and testing.
- Collaborated with team members to ensure the timely delivery of projects.

Education

MSc. Cyber Security,
University of West London (September 2022 - September 2023)

Bachelor of Engineering (Computer Engineering),
Gujarat Technological University, Ahmedabad (August 2016 - August 2020)

References
Available upon request.