

Logged in as:

**LOKESH REDDY VAKADA**

Role Configuration:

**Professional DevOps Engineer | Python Developer | Full-Stack Web Developer**

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`lokesh@DevOps: ~ $ cd /root/home/lokesh`

## CONTACT DETAILS

`...cat /contact/Contact_Details.txt`

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- Address: Visakhapatnam, Andhra Pradesh

## PROFESSIONAL SUMMARY

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**Accomplished Python DevOps Engineer** with 3+ years of expertise in **cloud infrastructure management, automation, and full-stack development**. Transitioned from a Mechanical Engineering background, a strong passion for technology has driven continuous learning and mastery of DevOps and IT skills into a versatile, highly adaptable professional profile.

- **Proficient in Python, SQL, and major cloud platforms (AWS, Azure, GCP)**, delivering optimized cloud management solutions and implementing **DevSecOps practices**. Specialized in **CI/CD pipeline development** using **Jenkins, Docker, and Kubernetes**, enabling automated deployments with **Ansible** and enhancing scalability through **Git** version control.
- **Skilled in Infrastructure as Code (IaC)** with **Terraform and Ansible**, along with configuration management, server management, and virtualization within **Agile methodologies**. Expertise in **automation scripting, debugging, and troubleshooting**, maximizing efficiency by automating testing workflows with **Selenium, Pytest, Unittest**, and conducting ETL testing with **Databricks, PySpark, and API testing via Postman**.
- **Full-stack development experience** includes backend frameworks (**Django, Flask**) and frontend technologies (**React, JavaScript**), ensuring comprehensive web application solutions. Proven track record in **data management**, delivering large dataset solutions that improved reporting accuracy by **30%** through data warehousing and performance tuning.
- Recognized for **reducing deployment times by 25%**, improving test coverage by **50%**, and providing impactful solutions for **disaster recovery, load balancing, and security compliance** in the telecom, insurance, and pharmaceutical industries.

## PROFESSIONAL EXPERIENCE

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### DevOps Lead

Liberty Global (Project through Infosys)

June 2023 – Present

- **Spearheaded** DevOps initiatives in a telecom networking project, **improving deployment efficiency by 25%** through streamlined **CI/CD pipelines** and **Infrastructure as Code (IaC)** using **Terraform and Ansible** for broadband, video, and mobile services.
- Collaborated with **cross-functional teams** across **6 countries** (UK, Slovakia, Ireland, Netherlands, Poland, Switzerland), enhancing **service reliability** and **customer satisfaction** through effective communication and problem-solving. Managed the complete lifecycle of **Change Requests (CRQs)** using **JIRA**, achieving a **30% reduction in issue resolution time** through efficient triaging and stakeholder engagement.
- Oversaw pre- and post-deployment activities, implementing monitoring solutions with **Grafana and Kibana** for **analytics and observability best practices**. **Automated log handling and data manipulation** using **Python and Bash/Linux scripting**, reducing manual workload by **40%** and improving data accuracy.
- Generated **deployment status reports**, fostering transparency and effective communication among stakeholders, resulting in a **20% increase in collaboration**. Executed **boot file creation** for **6 international teams** ahead of schedule through **Linux administration**, achieving heightened efficiency. Ensured **compliance** with company standards and **security best practices** in cloud environments while monitoring the health of all systems developed and documented **REST APIs** using the **Swagger** tool.

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### DevOps Engineer

Everest Global Services (Project through Infosys)

Nov 2022 – June 2023

- **Led automation** of infrastructure provisioning and **configuration management** across **AWS and Azure**, ensuring optimal resource utilization and **security compliance**. Developed **deployment pipelines** using **Jenkins and Docker**, enabling **continuous delivery** of applications while maintaining high standards of quality and efficiency.
  - Utilized **Databricks and PySpark** on **Azure** for **data analysis** and processing, driving data-informed decisions and improving **reporting accuracy by 30%**. Implemented **Infrastructure as Code (IaC)** strategies with **Terraform and Ansible**, streamlining resource management and reducing deployment times.
  - Configured **AWS VPC and RDS** for enhanced performance and isolation, ensuring **high availability** of applications. Engaged in **troubleshooting** and **optimizing infrastructure**, implementing monitoring solutions for early detection of issues and improving **system reliability**.
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## Python Full Stack Developer & Automation Tester

Teva Pharmaceuticals USA, Inc. (Project through Infosys)

Jan 2022 – Oct 2022

- **Developed scalable web application features** for the pharmaceutical sector using Python, Django, FastAPI, and Flask, ensuring high performance and regulatory compliance. **Implemented RESTful APIs** for seamless integration with front-end technologies (HTML, CSS, JavaScript, React, Tailwind, Bootstrap).
- **Led automation testing initiatives** with frameworks like **Selenium**, **PyTest**, **Unittest**, and **Jenkins**, achieving a **95% pass rate** and improving efficiency by **50%**. Executed automated tests with **QTest** for test case management and **API testing via Postman**. **Implemented DevOps practices in CI/CD pipelines**, optimizing deployment processes and reducing deployment time by **30%**. Conducted **Sprint Integration Testing (SIT)** fostering continuous feedback within Agile methodologies.
- **Leveraged SQL and NoSQL databases (PostgreSQL, MongoDB)** for effective data management and utilized **Databricks** and **PySpark** on **Azure** for large dataset analysis, improving reporting accuracy by **30%**. Ensured data integrity through **ETL** testing. **Ensured secure development practices** and automation to minimize manual intervention, enhancing software security and reliability. Actively participated in Agile/Scrum ceremonies, contributing to sprint planning, daily stand-ups, and retrospectives to improve team collaboration in a fast-paced environment.

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## Senior Graphics Designer

DigiM Marketing Agency

Dec 2019 – Mar 2020

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## Graphic Designer (Freelancer/Part-Time)

ASRONE Group

Sep 2019 – Dec 2019

## SKILLS & COMPETENCIES

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- **Cloud Platforms:** AWS, Azure, Google Cloud (GCP)
- **Containerization:** Docker, Kubernetes
- **IaC:** Terraform, Ansible, CloudFormation
- **CI/CD Tools:** Jenkins, Travis CI, CircleCI
- **Version Control:** Git, GitLab, GitHub
- **Programming Languages:** Python, Bash, JavaScript, Java
- **Configuration Management:** Ansible, CloudFormation
- **Monitoring Tools:** Prometheus, Grafana, ELK Stack
- **Network Security and Firewalls:** Security Groups
- **Databases:** MySQL, PostgreSQL, MongoDB
- **OS Administration:** Linux (Ubuntu, CentOS), Windows
- **Virtualization:** EC2, Azure VMs
- **API Dev:** Django, Flask, FastAPI, REST APIs, Swagger
- **Load Balancing:** AWS ELB, Kubernetes Clusters

- **Performance Tuning:** Application/database optimization
- **Storage Solutions:** S3, Azure Blob, GCP Storage, RDS
- **Microservices** and serverless frameworks, techs
- **Testing & Automation:** Selenium, Pytest, Unittest
- **Agile Project Management Tools:** Jira, Trello
- **SRE:** Monitoring, Incident Management
- **Full-Stack Development:** Python, JavaScript

## TOOLS & TECHNOLOGIES

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- **Web Dev:** HTML, CSS, JavaScript, Node.js, React
- **Testing Frameworks:** Selenium, Pytest, Unittest
- **Creative Tools:** Adobe Creative Suite Apps **Graphics & Visual Design** Web, digital applications.
- **Photography & Editing:** Photography and digital editing for visual content creation

## EDUCATION

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- **Bachelor of Technology in Mechanical Engineering**  
**Andhra University** —Vizag, Andhra Pradesh  
Graduated: May 2022
- **Diploma in Web Designing & Development**  
**Anudip Foundation:** Apr 2021 – Jul 2021

## CERTIFICATIONS

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- AWS Certified DevOps Engineer
- Professional Cloud DevOps Engineer | Google Cloud
- Microsoft Certified: DevOps Engineer Expert

## PROJECTS

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- [DevOps-project-CI-CD-Jenkins-Ansible-Kubernetes](#)
- [TheTechnoCreative Linux Themed Portfolio](#)
- [Python Advanced Learning](#)
- [Python 3 Programming Specialization | University of Michigan](#)
- [Full-Stack Web Development with React | HKUST](#)
- [CNSS Certified Network Security Specialist | ICSI, UK](#)
- [Learning Linux for LFCA Certification Specialization](#)

## ACCOMPLISHMENTS

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- Awarded the prestigious bumper prize for certified "**GCP DevOps Professional**" at the **Infosys Google Cloud Ignite** event, recognizing exceptional expertise and contributions to cloud development.
- Honored with the bumper prize for certified "**AWS DevOps Professional**" at the **Infosys AWS Elevate Days** event, highlighting proficiency in cloud automation and infrastructure.