Kshitija Randive

**(DevOps Engineer)**

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# Professional Summary

# Results-driven DevOps Engineer with cloud computing, automation, CI/CD pipelines, and infrastructure management expertise. Adept at deploying scalable, high-availability solutions using Docker, Kubernetes, Terraform, and AWS. Strong analytical and problem-solving skills with experience in Linux, monitoring, and security best practices. Proven ability to optimize cloud infrastructure, automate workflows, and drive operational efficiency to support business growth.

# Technical Skills

* **DevOps & Automation:** CI/CD, Git, Jenkins, Ansible, Terraform, Docker, Kubernetes
* **Cloud Platforms:** AWS (EC2, S3, Lambda, IAM, CloudWatch), Azure, GCP (Planned)
* **Containerization & Orchestration:** Docker, Kubernetes, Helm, OpenShift
* **Scripting & Programming:** Python, Bash, YAML
* **Infrastructure as Code (IaC):** Terraform, CloudFormation
* **Monitoring & Logging:** Prometheus, Grafana, ELK Stack, Splunk
* **Networking & Security:** VPN, DNS, Load Balancers, Firewalls, IAM Policies
* **Operating Systems:** Linux (Ubuntu, CentOS, Red Hat), Windows Server

# Certifications

* **AWS Solution Architecture from Edureka**
* **AWS Certified Solutions Architect – Associate (In Progress – Expected May 2025)**

# Work Experience

**IoT Trainer Lead (DevOps) |** Startek, Pune

*July 2024 – March 2025*

* Led training programs focused on DevOps best practices, CI/CD, cloud computing, and automation for IoT teams.
* Developed and delivered hands-on workshops on Kubernetes, Docker, and Terraform for streamlined infrastructure management.
* Implemented DevOps methodologies to enhance IoT deployment processes and automation workflows.
* Designed custom training modules for AWS, infrastructure as code (IaC), and monitoring with Prometheus and Grafana.
* Collaborated with cross-functional teams to enhance IoT security and cloud integration.
* Guided incident management, debugging, and optimization of IoT infrastructure using DevOps tools.
* Mentored junior engineers, fostering a culture of continuous learning and skill development.

**Junior Customer Service Executive | Tata Communications, Pune**

*May 2022 – July 2024*

* Implemented and maintained CI/CD pipelines for IoT applications, reducing deployment time by 40%.
* Migrated legacy applications to cloud-native solutions on AWS, improving system performance and uptime by 30%.
* Automated infrastructure provisioning using Terraform and Ansible, increasing deployment efficiency by 50%.
* Deployed and managed containerized microservices with Kubernetes, enhancing scalability and reliability.
* Integrated AWS Lambda and CloudWatch for event-driven automation and real-time monitoring.
* Worked on log aggregation and analysis using the ELK stack for proactive issue detection and troubleshooting.
* Designed and implemented security policies for cloud and container environments, ensuring compliance with industry standards.
* Optimized network performance and load balancing strategies to ensure high availability of IoT services.

**Embedded Engineer and Technical | Consultant (DevOps)**

Macfocs Robu.In, Pune

*July 2021 – January 2022*

* Developed automated deployment scripts using Python and Bash for IoT applications.
* Designed and deployed cloud infrastructure on AWS, integrating IoT devices for real-time monitoring and analytics.
* Built Dockerized environments for IoT development and testing, ensuring consistency across deployments.
* Configured Prometheus and Grafana dashboards for real-time observability of IoT device performance.
* Assisted in custom PCB design and firmware development, integrating with cloud-based services.
* Created serverless functions with AWS Lambda to process and analyze IoT sensor data in real-time.
* Implemented IaC best practices to automate cloud resource provisioning and reduce manual configurations.

# Education

**B.Tech in Electronics Engineering** *August 2019 – June 2021*

MIT Academy of Engineering, Pune | 70.39%

**Diploma in Electronics and Telecommunication Engineering** *August 2014 – June 2019*

Government Polytechnic Pune | 64.80%

**SSC** *June 2013 – June 2014*

Agresen High School, Pune | 80.20%

# Additional Information

* Passionate about automation, cloud computing, and infrastructure optimization.
* Active contributor to DevOps communities and open-source projects.
* Strong communication and mentoring skills, enabling team growth and knowledge sharing.
* Experience in automating deployments and infrastructure scaling using Terraform and Ansible.
* Proficient in GitOps methodologies with ArgoCD and FluxCD.
* Hands-on experience with service mesh technologies such as Istio and Linkerd.
* Adept at cloud cost optimization strategies, reducing infrastructure costs by 20-30%.
* Strong background in multi-cloud deployments with AWS and Azure.