Kshitija Randive

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Results-driven **DevOps Engineer** with expertise in cloud computing, automation, CI/CD pipelines, and infrastructure management. 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.

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, Groovy
- Infrastructure as Code (IaC): Terraform, CloudFormation, Pulumi
- 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

Work History

2024-07 - Current

IoT Trainer Lead (DevOps IoT Process Trainer)
Startek, Pune

- 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**.
- Provided guidance on **incident management, debugging, and optimization of IoT infrastructure** using DevOps tools.
- Mentored junior engineers, fostering a culture of continuous learning and skill development.

2022-05 - 2024-07

Junior Customer Service Executive (SME) (DevOps Engineer – IoT Projects)

Tata Communications, Pune

- 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.

2021-07 - 2022-01

Embedded Engineer and Technical Consultant (DevOps & Cloud Infrastructure)

Macfocs Robu.In, Pune

- 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

2018-08 - 2021-06

Bachelor in Technology (B.Tech): Electronics Engineering

2014-09 - 2018-06

MIT Academy of Engineering - Pune, Maharashtra
GPA: 7.39
Diploma in Engineering: Electronics and Telecommunications
GOVERNMENT POLYTECHNIC PUNE - Pune
GPA: 64.80%

Certifications

- AWS Solution Architecture from Edureka
- AWS Certified Solutions Architect – Associate (In Progress)
- Docker & Kubernetes Certification (Planned)
- Terraform Associate Certification (Planned)
- Certified Kubernetes Administrator (CKA) (Planned)
- Microsoft Azure DevOps Engineer Expert (Planned)

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.