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Shubham Kale

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 Portfolio

SUMMERY

Proficient in DevOps methodologies and tools with expertise in utilizing leading cloud platforms like Amazon Web Services (AWS). Experienced in cloud infrastructure deployment, management, and optimization, applying best practices for scalability and cost effectiveness.

EDUCATION

MIT Academy of Engineering, Pune

B.Tech in ENTC with specialization **Cloud Native DevOps** , CGPA: 8.42/10

Nov 2020 — June 2024

PROFESSIONAL EXPERIENCE

DevOps Engineer

Nov 2024 — Present

The Gamification Company

 Pune

- **Tech Stack:** AWS (EC2, RDS, Lightsail), Azure (Virtual Machine, VMSS, App Service, Front Door, Azure DNS, Redis Cache, Blob Storage), Jenkins, GitHub Actions, Git, Linux, Windows Server, IIS, Docker, NGINX, CloudWatch, Azure Monitor, Node.js, Android (Play Store).
- Architected a highly available **Azure-based microservices** platform using **VM Scale Sets (VMSS)** with **CPU-based autoscaling**, deploying **Dockerized .NET APIs** behind an **NGINX reverse proxy** with rolling, **zero-downtime** upgrades via custom VM images.
- Deployed and managed **Node.js applications** on **Azure App Service**, handling **environment configuration**, **deployment slots**, and maintained up-to-date **technical documentation** for operational continuity.
- **Configured Azure Front Door** by onboarding custom domain names, associating **origin groups** with backend application URLs, validating domain ownership through **TXT record** verification in Azure DNS, and enabling **SSL certificates** for secure, encrypted traffic.
- Managed end-to-end domain administration across AWS and Azure, including configuring A, CNAME, NS, and TXT records, and migrating domains from AWS Route53 to Azure DNS.
- Designed, built, and **maintained CI/CD pipelines** using **Jenkins** and **GitHub Actions** to automate build and deployment of **.NET and Angular** applications in production environments.
- Executed **end-to-end application deployments** on **AWS EC2 (Windows and Linux)**, including **IIS configuration**, **SSL certificate setup**, and custom domain mapping for secure public access.
- **Developed automation scripts** to streamline infrastructure provisioning and deployment workflows, reducing manual effort by **60%** and improving **operational efficiency**.
- Implemented **monitoring and alerting** using **Amazon CloudWatch** and **Azure Monitor** with custom metrics and alarms to proactively detect, troubleshoot, and resolve system issues.
- Integrated **Azure Front Door**, **Azure Redis Cache**, and **Azure Blob Storage** to enable **global traffic routing**, secure SSL termination, efficient session management, and scalable object storage.
- Published and maintained **Android applications** via **Google Play Store Console**, managing **release tracks**, **app versioning**, store listing updates, and production rollouts.
- Monitored and optimized **cloud infrastructure billing** across **AWS and Azure**, tracking resource utilization, identifying cost anomalies, and implementing **cost-saving measures** to align with budget targets.
- **Collaborated with development teams**, led release and deployment activities, handled **production incidents**, and maintained documentation to support stable operations and continuous improvements.

DevOps Engineer (Intern)

Jan 2024 — Nov 2024

AAHENT Consulting Software Solutions

 Pune

- **Tech Stack:** AWS, Python, Flask API, Boto3, HTML, CSS, JavaScript.
- **Developed** a **cloud automation framework** to streamline multi-cloud infrastructure provisioning.
- **Developed** a user-friendly interface enabling seamless selection and deployment of cloud services.
- **Automated** cloud resource deployment with a Python Flask API backend.
- **Strengthened** security with two-factor authentication for secure cloud management.

SKILLS

AWS	EC2, RDS, EBS, S3, CloudWatch, Route53, Lightsail, VPC, Lambda, AWS CI/CD, SDK(Python Boto3).
Azure	Virtual Machine, VMSS, Front Door, Redis.
DevOps Tools	Git, GitHub, Docker, Jenkins CI/CD, Terraform.
Technologies	Python, Linux(Ubuntu), Windows Server 2019 , Computer Networking , Front-end Web Development.

PROJECTS

Cloud Automation Framework

Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure, Python (Flask API, Boto3), Terraform, HTML, CSS, JavaScript.

- **Developed** a framework to automate multi-cloud infrastructure provisioning.
- **Created** a user-friendly interface for easy cloud service deployment.
- **Automated** cloud deployments with a Python Flask API backend.
- **Ensured** secure operations with two-factor authentication.

CERTIFICATIONS

AWS Certified Cloud Practitioner CLF-C01 

Oct 2023 — Oct 2026

Oracle Certified Foundation Associate 

Apr 2023 — Feb 2026