Suraj Adesh Mohite – Senior Cloud Engineer

Mob. no.: +91-7387184159 | Email: surajmohite405@gmail.com | Address: Pune, Maharashtra | LinkedIn

AWS Certified Senior Cloud Engineer with 3+ years of hands-on experience in designing, deploying, and managing scalable & secure cloud infrastructure. Proven expertise in AWS services, Linux/Windows server administration, CI/CD automation, and cloud security. Adept at optimizing system performance, driving cloud migrations, implementing disaster recovery strategies, and ensuring high availability in mission-critical environments.

KEY SKILLS

AWS DevOps | Cloud Administration | Infrastructure as Code (IaC) | CI/CD | Monolithic & Microservices | Cloud Infrastructure Management | Linux & Windows Server Administration | Web Hosting | Networking | Automation | Configuration Management | Cloud Security | Monitoring & Logging | Server Security |

TOOLS & TECHNOLOGIES

AWS CLI | Terraform | Kubernetes | Docker | Git/GitHub | CodePipelne | Jenkins | Ansible | CloudFormation | Python | Bash

PROFESSIONAL EXPERIENCE

Senior Cloud Engineer | Hostin Services Private Limited (Cloud.in)   Pune, IN | Apr. 2022 – Present

Key Project: AWS Cloud Infrastructure Management
- Designed and managed **VPC** network infrastructure, configuring **subnets**, **route tables**, and **network ACLs** to ensure secure and efficient connectivity.
- Provisioned, optimized, and scaled **EC2** instances with **Auto Scaling Groups**, **Load Balancers**, **Security Groups**, and **Key Pairs**, achieving high availability, performance, and cost efficiency.
- Architected and maintained scalable storage (**S3, EFS, EBS**) and **RDS** databases with Multi-AZ deployments, automated backups, encryption (**KMS**), and **lifecycle policies** for security and cost optimization.
- Improved **CloudFront** performance by **50%** using caching strategies, **Lambda@Edge**, and **WAF** integration, reducing origin server load and enhancing security.
- Implemented event-driven architectures with **Lambda**, **CloudWatch**, and **SQS**, applying cold start mitigation, memory tuning, and **CI/CD** automation via **AWS CodePipeline** and **SAM** to reduce operational overhead.
- Configured **CloudWatch monitoring and custom alarms** for logs, **metrics**, and loggroups and automated alerts via **SNS**.
- Managing AWS cloud infrastructure **security** using native AWS services such as **WAF**, **Shield**, **Amazon GuardDuty,** and **Amazon Inspector** to ensure proactive **threat detection**, **vulnerability assessment**, and **DDoS protection**.
- Established secure hybrid connectivity with **Site-to-Site VPN** and **Direct Connect**, optimizing latency and ensuring high availability for **on-premises to AWS** communication.
- Led cloud migration projects with **AWS MGN** and **DMS**, implementing lift-and-shift and re-platforming strategies for seamless application and database migration.
- Designed and tested **disaster recovery** strategies with **multi-region failover**, defined **RPO/RTO SLAs**, and conducted routine DR drills to ensure business continuity.

Key Project: Linux/Windows Server Administration
- Configured and troubleshot network/firewall rules (**firewalld, SSH**), managed storage (**LVM**), and automated tasks with **cron/at** for efficient server operations.Linux/Windows production servers.
- Administered Linux/Windows production servers, managing software (**YUM/RPM**), **user/group permissions**, and file sharing (**NFS/Samba**) with strong security controls (**SELinux**).
- Optimized and secured web/application servers (**Apache,Nginx,IIS)** with **SSL/TLS (HTTPS)** for staging and production environments.
- Implemented and monitored databases (**Mongodb, MySQL, MSSQL**), ensuring performance, availability, and secure access.
- Strengthened system security by enforcing best practices, including **patching**, **hardening**, and **vulnerability** mitigation.
- Performed **log analysis** and proactive monitoring to **troubleshoot issues**, improve performance, and maintain high system uptime.

KEY PROJECTS EXECUTED

1. Project: Multi-Account AWS Infrastructure Management. – Present
Key Achievements:
• Managing AWS infrastructure for **100+** client accounts, automating provisioning with **Terraform** & **AWS CLI**, enforcing **IAM/SCPs**, using **bash/python scripts** and improving compliance/security posture by **30%.**
• Managing A **Payment Service Client** with their **monolithic and microservices** hybrid infrastructure with monitoring with A**WS Cloudwatch, Prometheus** and **grafana**.
• Implemented CloudWatch **optimization strategies** by configuring a 1-week log retention for log groups and setting up **Lambda** functions to export older logs to S3 bucket. Configured **S3 lifecycle policies** to transition these logs to **S3 Glacier Deep Archive** after 6 months, achieving a **25%** reduction in storage costs.

2. Project: Three-Tier Calorie Tracker Web Application (NodeJs, MongoDB).
*Key Achievements***:**
• Deployed a fully automated **CI/CD** web application using **Git/GitHub**, **AWS Codepipeline**, **EKS**, **ECR**. Provisioned EC2 instances, ALB, Auto Scaling, and **Route 53** for DNS mapping. Secured application with **ACM** SSL certificates. Implemented CloudWatch monitoring and integrated metrics data scraping for **Prometheus** and **Grafana** using **helm charts**. Delivered a scalable and secure AWS **microservices** infrastructure, improving deployment efficiency and application reliability.

EDUCATION

- **Graduation - B.Sc. (Computer Science)** | Navnirman College of Arts, Commerce, and Science, Ratnagiri, Maharashtra. Mumbai University | CGPA- 7.93   May- 2021

Certifications

- **AWS Certified Solutions Architect – Associate (SAA-C03)** - Validation: 99be94d1267145cd957083414c9d407d
- **AWS Certified Cloud Practitioner (CLF-C01)** - Validation: a7ae70ea3a6c4dffbab155a207e25d08
- **AWS Certified AI Practitioner (AIF-C01)** - Validation: MLBR1RF1414E1GKS