SAUPAL MAITY

AWS DevOps Engineer

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CAREER OBJECTIVE

Dynamic and results-oriented AWS DevOps Engineer with 5.5 years of experience in designing, implementing, and managing cloud infrastructure and CI/CD pipelines. Proficient in leveraging AWS services and DevOps practices to streamline software delivery processes, optimize resource utilization, and ensure high availability and scalability of applications.

CERTIFICATION

AWS Certified Solutions Architect, Associate (Certification number: VPS322SLBFEEQGKW)

TECHNICAL SKILLS

Automation:
- Jenkins (CI/CD)
- Terraform
- Ansible

Container Orchestration:
- Docker
- Kubernetes
- Amazon EKS

AWS Services:
- EC2
- IAM
- S3
- CloudWatch
- ELB (Elastic Load Balancing)
- RDS(Relational Database), Redshift, SQL
- Route53
- VPC (Virtual Private Cloud)
- Lambda, API Gateways
- Auto Scaling
- NAT Gateway

Scripting:
- Python,
- Shell Scripting

Version Control System:
- Git

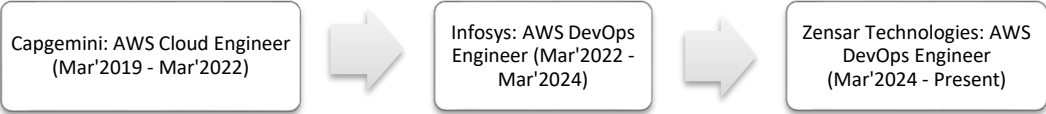**Operating System:**
- Linux, windows

Monitoring tools:
- CloudWatch. Dynatrace, Elastic Blue

PROFILE SUMMARY

- Thrived as an **AWS DevOps Engineer** at Infosys, showcasing expertise in utilizing **Terraform** for infrastructure automation.
- Utilized **Jenkins**, **Docker**, **Kubernetes**, **Ansible** and **Terraform** to automate processes, improving scalability and operational efficiency.
- Successfully developed and implemented microservices with **Jenkins** and **Docker**, optimizing deployment workflow.
- Executed **Python** and **Shell Scripting** proficiently to maintain smooth operations in a dynamic work setting.
- Monitored **Kubernetes clusters** and **AWS environments** with expertise in **CloudWatch** and **Dynatrace**, taking proactive measures to address any issues.
- Acknowledged for setting up efficient **CI/CD pipelines** and integrating containerization technologies to boost overall system performance.
- Committed to continuous improvement and learning, with a strong focus on **AWS Cloud Infrastructure** and **DevOps**.
- Skilled in collaborating with cross-functional teams to identify requirements, architect scalable solutions, and drive continuous improvement initiatives.

CAREER TIMELINE

Capgemini: AWS Cloud Engineer (Mar'2019 - Mar'2022) → Infosys: AWS DevOps Engineer (Mar'2022 - Mar'2024) → Zensar Technologies: AWS DevOps Engineer (Mar'2024 - Present)

WORK EXPERIENCE

Zensar Technologies | AWS DevOps Engineer | Mar'2024 – Present
Key Result Areas:

- Orchestrating AWS cloud environment infrastructure using **Terraform** for efficient management.
- Implementing Load Balancers, Auto Scaling groups, Security Groups, NACLS to ensure high server availability.
- Developed and optimized **CI/CD** pipelines by integrating industry-standard tools like **Jenkins**, **Docker**, and **Kubernetes**, enabling seamless and automated application deployment. Building and deploying microservices using **Jenkins** and **Git** for version control.
- Engineered and deployed microservices architectures using Jenkins for automation and Git for version control, facilitating agile and continuous delivery practices.
- Automating deployment procedures to significantly reduce deployment time.
- Leveraged **Dynatrace** and AWS **CloudWatch** to monitor application performance, proactively detect issues, and optimize resource utilization.
- Setting up servers on **AWS** by configuring EC2, RDS, S3, IAM, Route53, VPC, and load balancers.
- Administration of **Linux** based operating systems., well versed in OS concepts, system diagnostics, administration, filesystems, application deployments.

Achievements:

- Automated CI/CD pipelines, reducing manual intervention and accelerating deployment cycles by 30%. Improved server availability by implementing Load Balancers and Auto Scaling groups.

- Streamlined deployment workflows, achieving a 50% reduction in deployment time, leading to faster delivery of new features and updates.
- Leveraged CloudWatch and Dynatrace to monitor system performance, promptly identify bottlenecks, and resolve both production and non-production issues, reducing incident resolution time by 35%.
- Ensured the proactive resolution of problem tickets through continuous monitoring and alerting, minimizing downtime and maintaining high system reliability.

Infosys | AWS DevOps Engineer | Mar'2022 – Mar'24

Key Result Areas:

- Orchestrating AWS cloud environment infrastructure using **Terraform** for efficient management.
- Implementing Load Balancers, Auto Scaling groups, Security Groups, NACLS to ensure high server availability.
- Developing CI/CD pipelines and integrating containerization technologies like **Jenkins Docker** and **Kubernetes**.
- Building and deploying microservices using **Jenkins** and Git for version control.
- Configuring Jenkins files and Docker files to streamline deployment processes.
- Utilizing Git for managing configuration files, Jenkins files, and Terraform state files.
- Automating deployment procedures to significantly reduce deployment time.
- Setting up servers on **AWS** by configuring EC2, RDS, S3, IAM, Route53, VPC, and load balancers.
- Administration of **Linux** based operating systems., well versed in OS concepts, system diagnostics, administration, filesystems, application deployments.

Achievements:

- Enhanced scalability and efficiency through automated CI/CD pipelines.
- Improved server availability by implementing Load Balancers and Auto Scaling groups.
- Streamlined deployment processes resulting in a significant reduction in deployment time.
- Successfully monitored and resolved production and non-production issues using CloudWatch and Dynatrace.
- Ensured proactive resolution of problem tickets to maintain system integrity.
- Spearheaded the migration of legacy systems to AWS cloud infrastructure, resulting in a 15% improvement in system reliability and scalability.

Capgemini | AWS Cloud Engineer | Mar'2019 - Mar'2022

Growth Path:

Associate Consultant
Senior Software Engineer
Software Engineer

Key Result Areas:

- Spearheaded the installation, configuration, and troubleshooting of various Amazon images utilizing AWS cloud services.
- Collaborated with cross-functional teams to enhance the reliability and performance of cloud applications and infrastructure.
- Deploying and managing cloud infrastructure using AWS services such as EC2, S3, RDS, and Lambda.
- Utilized the AWS calculator to develop accurate project budgets and ensure cost-effective cloud operations.
- Implemented best practices for cloud security, data encryption, and disaster recovery planning.
- Conducted regular performance assessments to identify areas for improvement and implemented scalable solutions.
- Led training sessions on AWS services and best practices for team members to enhance overall efficiency.
- Ensured compliance with industry regulations and standards for all cloud deployments.

Achievements:

KNOWLEDGE PURVIEW

- Infrastructure as Code (IaC)
- Continuous Integration and Continuous Deployment (CI/CD)
- Deployment Automation
- Containerization and Orchestration
- Monitoring and Logging
- Security and Compliance
- Infrastructure Optimization
- Disaster Recovery and High Availability
- Performance Tuning
- Change Control

SOFT SKILLS

- Team Leadership
- Analytical
- Problem-solving
- Communicator
- Critical Thinking
- Time management

PERSONAL DETAILS

Date of Birth	31st May 1995
Languages Known	English, Hindi & Bengali

- Achieved a 20% increase in the reliability and performance of cloud applications through strategic optimization techniques.
- Successfully reduced AWS operational costs by 25% through efficient budgeting and resource allocation.
- Implemented disaster recovery strategies that reduced downtime by 30% during critical system failures.

EDUCATION

- **August 2013 - May 2017: B.Tech.** from JIS College of Engineering, Kolkata