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## 1. Vodafone Intelligent Solutions (\_VOIS)

***Operation ENGINEER Dec 2021 – Present:***

Currently working at Vodafone Shared Services (\_VOIS) as a Deputy Manager, where I lead the CMS VOICE project, overseeing its implementation and management across multiple European countries.

## 2. Mahindra Comviva Lead & DevOps Engineer Oct-2017 to Nov 2021

## Worked on the Airtel Money Mobiquity Finance project, focusing on wallet services. My primary responsibility was to provide comprehensive support to the L3 team. Daily tasks included deployment-related activities such as Change Request (CR) deployment, testing, and integration. Collaborated with third-party merchants to gather essential details, including agent codes and connectivity information from the production environment. Leveraged this data to define configurations in templates, flow files, rules XML files, and other configuration files, ensuring accurate and seamless deployments

**Project work:** 1. Developed and deployed a scalable three-tier architecture on AWS.

2. Architected a robust three-tier application leveraging AWS services, including EC2, RDS, and Elastic Load Balancing (ELB), to ensure high availability and scalability.

3. Utilized AWS Cloud Formation and Terraform to automate the deployment and configuration of AWS resources, improving deployment efficiency and consistency.

4. Optimized application performance by configuring Auto Scaling groups, setting up load balancers, and implementing health checks to ensure seamless operation under varying loads.

5. Implemented AWS security best practices, including VPC configurations, IAM policies, and encryption mechanisms to safeguard application data and infrastructure.

6. Successfully managed and registered multiple domains using AWS Route 53, ensuring seamless domain name resolution across global services.

7. Implemented DNS management strategies, including the configuration of hosted zones and the creation of A, AAAA, and CNAME records to support various application and infrastructure requirements.

8. Configured and optimized Route 53 traffic routing policies, including simple, latency-based, failover, and geolocation routing to ensure high availability and performance.

9. Provisioned and managed AWS EC2 instances for scalable application hosting, configuring instance types, storage options, and networking settings to meet performance and availability requirements.

10. Designed and configured EC2 security groups and network ACLs to enforce access control and protect instances from unauthorized access while maintaining compliance with security policies.

11. Configured Amazon Machine Images (AMIs) for backup and launch templates, enabling seamless integration with Auto Scaling groups.

12. Designed, deployed, and managed Amazon Virtual Private Clouds (VPCs) with custom subnets, route tables, and network ACLs to meet specific application and security requirements.

13. Automated network infrastructure deployment and management using Terraform and AWS CLI, ensuring consistency, repeatability, and reduced manual intervention.14. 14. 14. 14.Developed and implemented disaster recovery strategies for network infrastructure, including cross-region VPCs and Route 53 failover policies to ensure business continuity.

15. Architected and deployed custom VPCs with multiple subnets (public, private, and isolated) across multiple Availability Zones (AZs) to ensure high availability and fault tolerance.

16. Provisioned and managed Amazon RDS instances for various database engines, including MySQL, PostgreSQL, and Oracle, tailored to meet specific application requirements.

17. Managed the VM Import/Export process, exporting on-premises virtual machines (VMware, Hyper-V) to Amazon EC2 by creating Amazon Machine Images (AMIs) and launching instances.

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**WORK EXPERIENCE**

***Shubham Srivastava***

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***Profile:***

**A skilled and dedicated DevOps Engineer with extensive experience in leveraging modern DevOps tools to enhance software development and deployment processes. I specialize in building and managing Jenkins CI/CD pipelines, automating deployments, and improving overall software quality and reliability.**

**With proficiency in Jenkins, Kubernetes, Terraform,** **Open tofu , Docker, Ansible, GitHub, and GitLab, I aim to streamline development workflows and drive efficiency in Continuous Delivery environments.**

**Additionally, I bring comprehensive expertise in AWS, along with a proven track record in script automation, system troubleshooting, and infrastructure maintenance. My commitment to optimizing processes and ensuring seamless integration positions me to contribute effectively to any DevOps or cloud infrastructure team**

***Certifications:***

**RHCSA &RHCE in the year 2013.**

**AWS associate certified.**

***AWS and DevOps Project Details:***

**AWS-3-tier-project**

**AWS Application Migration Service**

**AWS database migration service**

**3-tier-project CI with Jenkins-CD with Argocd-with MongoDB**

18. Utilized AWS Database Migration Service (DMS) to streamline the migration from DB on EC2 to RDS, facilitating real-time data replication with minimal disruption.

19. Configured automated backups, snapshots, and point-in-time recovery for RDS instances to protect data and enable quick recovery from data loss or corruption.

20. Configured Cloud Front to distribute content across multiple AWS regions and edge locations, ensuring high availability and low latency for users globally.

21. Designed and configured Auto Scaling Groups (ASGs) to automatically scale Amazon EC2 instances based on predefined policies and metrics, ensuring optimal resource utilization and cost-efficiency.

22. Configured and managed Amazon S3 buckets for scalable object storage, ensuring efficient data management and high availability for application assets.

23. Implemented S3 lifecycle policies to automate the transition of objects between storage classes, optimizing storage costs and managing data retention effectively.

24. Designed and implemented IAM policies and roles to manage user and application permissions, ensuring secure and least-privilege access across AWS resources.

25. Developed and managed infrastructure as code (IaC) using Terraform, automating the provisioning and management of AWS resources and ensuring consistent and repeatable deployments.

26. Designed and implemented reusable Terraform modules to encapsulate infrastructure components, improving modularity and maintainability of code.

27. Integrated Terraform with CI/CD pipelines to automate infrastructure deployments and updates, enhancing development workflows and accelerating delivery cycles.

28. Configured Terraform state management with remote backend such as AWS S3 and Dynamo DB, maintaining infrastructure state consistency and enabling collaborative management.

29. Orchestrated container deployments using Kubernetes and managed cluster resources, including nodes, pods, and services.

30. Containerized applications with Docker, simplifying development and deployment across multiple environments.

31. Implemented and managed monitoring tools such as Prometheus, Grafana, and AWS CloudWatch, providing real-time visibility into the performance and health of applications and infrastructure.

32. Implemented AWS Lambda serverless functions for tasks such as event-triggered actions and automated server schedules, ensuring timely execution of critical tasks.

33. Developed and maintained Continuous Integration and Continuous Deployment (CI/CD) pipelines using Jenkins. Automated the build, testing, and deployment process, ensuring code quality and fast releases. 34. Kubernetes Deployment (Amazon EKS): Managed and deployed Node.js applications on Amazon EKS (Elastic Kubernetes Service), leveraging Kubernetes for orchestration, scaling, and high availability of applications.

34.ArgoCD for GitOps: Set up ArgoCD for continuous delivery, managing the state of Kubernetes applications. Ensured automated, repeatable, and reliable deployments through GitOps practices.

## 3. VODAFONE INDIA LIMITED Assistant Manager Aug 2016 to Oct 2017

**Role:** I worked on VAS services such as NTMS, USSD, and SMSGW for PAN India, providing support for remote monitoring and VAS nodes. Provided L-2 support for customer-related issues within the specified SLA.I reviewed escalated issues and provided solutions in coordination with the NOC team.

## 4. Spice Digital Pvt. Ltd Software Engineer March 2014 to Aug 2016 Worked on Spice SMSC handing the MO and MT Process & OBD.

## 5. Reliance Communications Data Center DEVOPS

## Network Operator & Site Support Engineer July 2012 to March 2014 Installation, Managing the Linux server and server services and web application.

Setup of networks on different operating systems and all other Hardware devices.

Takes the back up of Application Server, Data Base Server Web Server.

***Technical Skill:***

**AWS Expertise: Advanced knowledge of core AWS services including EC2, EKS, S3, RDS, Lambda, CloudWatch, Route 53, IAM, VPC, NAT Gateway, Elastic Load Balancer (ELB), and SNS.**

**DevOps Tools & Practices: CI/CD Jenkins, GitLab CI/CD, and Terraform for automated and scalable deployments. Infrastructure as Code (IaC): Skilled in Terraform and Ansible for infrastructure provisioning and configuration management.**

**Containerization & Orchestration: Advanced experience with Docker and Kubernetes, including Helm for efficient deployment and scaling.**

**Monitoring & Logging: Tools: Hands-on experience with Prometheus, Grafana, and the EFK stack (Elasticsearch, Fluent Bit, Kibana) for centralized logging and real-time monitoring.**

**Databases: Skilled in MySQL and Amazon RDS, including database optimization, backup, and recovery.**

**Server & Network Administration Server Configuration: Expertise in DNS, NFS, LDAP, SAMBA, YUM, SCSI/iSCSI, DHCP, and mail servers such as Send mail, Dovecot, and Squirrel Mail.**

**Key Strengths: Strong problem-solving and troubleshooting skills. Deep understanding of DevOps methodologies, automation, and system optimization.**

***EDUCATION HISTORY:***

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| Qualification | Board/ University | Passing Year | Percentage |
| B. Tech (Information Technology) | U.P. Technical University Lucknow | 2011 | 66.76 |
| Intermediate | Uttar Pradesh Board | 2006 | 71.08 |
| High School | Uttar Pradesh Board | 2004 | 67.83 |