Sandeep Chikkala

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**PROFESSIONAL SUMMARY**

# Experienced DevOps engineer with a proven track record of success over 2+ years in designing, implementing, and optimizing robust and scalable infrastructure solutions. Proficient in AWS cloud services, Linux operating systems, and CI/CD pipelines using Jenkins. Skilled in Docker and Ansible for efficient containerization and configuration management. Demonstrated expertise in Git, Terraform, and Kubernetes, with a strong focus on Infrastructure as Code (IAC). Adept at ensuring cost optimization through AWS Lambda functions and well-versed in release management tasks. Excels in collaborating across teams to enhance system reliability, performance, and security.

# EXPERIENCE

## Capgemini – India

November 2021 - Present

## AWS DevOps Engineer

* Demonstrated hands-on expertise in utilizing various AWS cloud services, including IAM, EC2, S3, VPC, CloudWatch, Elastic Load Balancer, and Auto Scaling.
* Proficient in working with Linux operating systems, specifically Amazon Linux and Ubuntu, and adept at tasks such as creating servers, AMIs, storage blocks in S3, taking snapshots, configuring VPCs, subnets, load balancing, and implementing Auto Scaling in AWS.
* Diligently performed cost optimizations exercises for AWS resources achieving 30% saving on monthly billing.
* Extensive experience with CI/CD using Jenkins, involving the automation of the entire application deployment lifecycle process. This includes the installation, configuration, and maintenance of continuous integration (CI) and end-to-end automation for builds and deployments.
* Skilled in Jenkins customization, creating users, managing permissions, and integrating tools such as Git, Maven, Tomcat, and Ansible.
* Proficient in storing artifacts in S3 buckets with versioning enabled and implementing S3 Bucket Cross Region Replication.
* Strong understanding of Docker, encompassing container and image management, as well as establishing communication between containers. Knowledgeable in creating Docker files, Docker Compose, and familiarity with Docker Swarm and Docker Stack.
* Well-versed in Ansible, utilizing Ansible Vault for securing sensitive information like passwords and secret key files. Proficient in core Ansible concepts, including setup, ad-hoc commands, playbooks, and handlers.
* Experienced in installing and configuring both K8S master and K8S nodes, establishing seamless communication between them.
* Hands-on experience with Git commands, Docker commands, and Ansible commands in Amazon Linux environments.
* Proficient in Infrastructure as Code (IAC) using Terraform, with a deep understanding of Kubernetes advantages, architecture, and complete workflow.
* Skilled in handling release tasks in projects and possessing knowledge of Squish testing.

**Technology Stack:** AWS, DevOps, IaaC, Kubernetes, Docker, Git, GitHub, CI/CD, Maven, Jira, SonarQube, Terraform.

# SKILLS

AWS | DevOps | Linux | Docker | Kubernetes | Jenkins | Maven | GitHub | Terraform | IaaC | CI/CD | Ubuntu | Git | Ansible | Jira |

# CERTIFICATIONS

* AWS Certified : AWS Solution Architect Associate (Validation no : 97afa8ad36c84b7ea53f5f5665e3e770)
* AWS Certified: AWS Cloud Practitioner (Credential ID: XZ5P01YKXFFQQ95X).
* Microsoft Certified: Azure Fundamentals AZ 900 (Credential ID: A2998D7210F37D1).

# ACHIEVEMENTS

* A published success story for providing an innovative idea.

## Achieved the "Employee of the Month Award" in recognition of substantial contributions that played a pivotal role in ensuring excellence in project delivery.

## EDUCATION

**Bachelor of Technology,**  Computer Science and Engineering, RVR & JC College of Engineering, Guntur, AndhraPradesh 2017-2021.