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| Akshith Reddy | A blue hexagon with white text  AI-generated content may be incorrect. |
| Cloud DevOps Engineer |
| Overland Park, KS | 661.977.6339| AkshithReddy.IT@gmail.com |

# PROFESSIONAL PROFILE

Results-driven technical professional highly regarded for driving innovation and Certified AWS Solutions Architect – Associate Level in DevOps Methodologies and focused on Automation of Build/Deployment/Environment Management areas by implementing CI / CD pipelines, Skilled at developing infrastructure as code (IaC), handling source code and version control management. Strong team leadership, training, and mentorship skills and extensive experience collaborating within fast-paced, deadline-driven environments.

# CORE COMPETENCIES

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| --- | --- | --- |
| * Disaster Recovery & Backup Planning * Cloud Administration (AWS, Azure) * Configuration Management * Infrastructure as Code (IaC) * DevOps Engineering | * Release Planning & Management * SDLC & Project Management * CI/CD Pipeline Development * Application Development * Version Control | * Team Leadership * Troubleshooting * Programming * Automation * Scripting |

# EDUCATION

**Master of Science in Computer Science**

*University of Central Missouri, MO*

**Certifications**

*AWS* Solutions Architect – Associate Level – Validation: [DEB6BEDD43F44118A7F8A66A68E69941](https://cp.certmetrics.com/amazon/en/public/verify/credential/deb6bedd43f44118a7f8a66a68e69941)

### Azure AI Fundamentals – Validation: [DB21F31110DCF3D](https://learn.microsoft.com/en-us/users/akshithreddy-3555/credentials/db21f31110dcf3d)

**TECHNICAL PROFICIENCIES**

* **Programming Languages:** Python, Bash, Shell, HTML, Core JAVA, UNIX, SQL, JSON, YAML Template
* **Databases:** Amazon RDS, Dynamo DB, Amazon Aurora, RedShift Warehousing, MySQL
* **Continuous Integration Tools:** Jenkins, Concourse, TeamCity, Harness
* **Configuration Management Tools:** Ansible, Chef, Puppet, Terraform
* **Version Control & Build Tools:** GIT, GIT Hub, Maven, Docker, Kubernetes
* **Cloud Platforms:** Amazon Web Services (AWS), Azure
* **Bug Tracking Tools:** JIRA, Remedy, ServiceNow
* **Amazon Web Services:** EC2, S3, ELB, EKS, ECS, RDS, VPS, Cloud Front, Cloud Formation, Direct Connect, Route53, Redshift, Cloud Watch, Cloud trail, IAM, SNS, SQS
* **Operating Systems:** Windows7/8/10/XP, Linux, UNIX, Red-Hat, Ubuntu, Centos
* **Web/Application Servers:** Apache Tomcat, WebSphere
* **Logging & Monitoring:** Nagios, Cloud Watch, Splunk, Datadog
* **Misc.:** RESTful Web Services

**WORK EXPERIENCE**

## **lululemon**, Mar 2024 to Present

**Cloud DevOps Engineer**

Technology Stack: AWS (EKS, Lambda, S3, IAM, VPC), Docker, Vault, Git, Shell, Bash, Python, JFrog, .NET, Java, SonarQube

* Worked on creating Jenkins jobs based on different environments.
* Extensively involved in infrastructure as code. execution plans using Terraform.
* Provide oversight on all Cloud Security Initiatives and ensure they meet corporate security requirements.
* Performed Security scans across AWS Account and resolved them as we make progress.
* Managed the AWS Infrastructure cost cutting by developing Lambda functions and using CloudWatch Event Rules and deployed via Cloud Formation templates.
* Built Jenkins jobs to create AWS infrastructure from GitHub repos containing Python code.
* Supported Secrets Rotation every 90 days to keep environment compliant.
* Managed Amazon EKS (Elastic Kubernetes Service) Cluster deployment via Terraform and perform regular upgrades of EKS cluster versions, add-ons and AMI’s.
* Reviewed Security group Ingress and Egress rules for EKS Cluster security groups to restrict Elevated access using python scripts
* POC in controlling over 30 application deployment config files across 12 environments to use default templates per application.
* Implemented deploying init containers application deployment to include cacerts required for applications.
* Supported Production environment performance test to scale up and scale down environment via automation scripts executed from Jenkins.
* Created Jenkinsfile to automate workflow jobs before and after application deployments.
* Implemented EKS Secrets Provider Class to Inject Secrets as Environment variables using AWS Secrets Manager.
* Created Alerts using Python Application deployed into EKS Cluster monitors EKS Events and sends Email Alerts.
* Deployed ALB and managed Listener rules via Infrastructure as code.
* Supporting Application Deployments to higher environments.
* Documenting End to End Process of implementations and make them available as recordings.

**Experian**, Costa Mesa, Ca, July 2023 to Mar 2024

**DevOps Engineer**

Technology Stack: AWS, Docker, Kubernetes, Vault, Git, Jenkins, Groovy, Bash, Terraform

* Working with different AWS services like CFT, CloudWatch, S3, AWS logs, Metrics, Rules, ECS, Redshift, EC2, SG, SES, VPC, ASG, IAM, LAMBDA, Dynamo DB, ElastiCache and Elastic Search.
* Configure AWS logs service on all the instances and setup CloudWatch logs with different log groups.
* Setting up for subscriptions of AWS LAMBDA streams to connect logs to S3 buckets.
* Writing IAM policy to export and access CloudWatch to S3 bucket.
* Setting up different S3 buckets and attach different policy to setup restricted access.
* Writing Ansible playbooks and roles to configured different applications and operation related tasks.
* Writing different Docker files to setup different applications and build on different environments.
* Administrating the entire Docker setup along with cluster management and allow ports to access the servers.
* Setting up Jenkins jobs and build the different applications and create a Docker image after successful build my application and launch the server with that image.
* Installed, Configured, maintained GitLab Enterprise, and communicating with the repositories.
* Configured Git in Jenkins to automate deployments and setting up notifications to required Team.
* Used Jenkins to build code from GIT and Deploy to Testing and Developing environments.
* Used the version control system GIT to access the repositories and used in coordinating with CI tools.
* Integrated maven with GIT to manage and deploy project related tags.
* Deployed code on Web Logic Application Servers for UAT and Development environment.
* Setting up Lambda function to pass the logs to CloudWatch and adjust the code accordingly and test it.
* Has good understanding about Installation, Configuration and using Splunk apps for UNIX and LINUX (Splunk).
* Configure different AWS instances based on project requirement and add them to different load balancers.
* Working on different RHEL servers and configure different services on Linux servers based on requirements.
* Exposure to SDLC and experience with building deployment solutions for Scrum.
* Responsible for Linux administration tasks in our stack and troubleshoot the different Linux related issues like mount point issue, process related, network related, configuration related issues.

Roudry Information Tech, Hyd, India, Apr 2019 to Dec 2022

**DEVOPS ENGINEER**

Technology Stack: AWS, Git, Jenkins, Ansible Centos, IaaS, Windows, Red Hat Linux, Chef, Apache, Jira, Splunk

* Devised tracking and alerting solutions (CloudWatch) to assist leaders with production/corporate server/cost monitoring.
* Created a robust CI pipeline for continuous delivery and automation; used Stash, Jenkins, Maven, and Ansible.
* Mitigated risks by developing comprehensive backup and disaster recovery plans; ensured minimal data loss or impact while migrating applications and data from on-premises to AWS cloud.
* Streamlined the cookbook development workflows in Chef by implementing food critic, bookshelf, and test kitchen features; oversaw system nodes, run lists, roles, environments, data bags, cookbooks, and recipes, including configuring cookbooks, recipes, templates, and attributes on workstations for deployment to Chef nodes.
* Built Chef nodes via Open-Source Chef Server for Ubuntu, Linux, and Windows virtual server management on AWS EC2.
* Fostered collaborative relationships with colleagues to facilitate the successful execution of DevOps migration and automation processes for build/deployment and provision and troubleshoot common platform capabilities/functions.
* Addressed application issues and inefficiencies in a timely manner by using Splunk for performance monitoring.
* Assisted with continuous integration through Jenkins build automation and configuration.
* Isolated resources in Amazon RDS Aurora DB cluster through AWS VPC and database subnet group configuration.