

Venkat Reddy K

AWS DevOps Engineer

I have **4.3+** years of experience in IT and **3+** years of relevant experience in Process Automation, Build, Deployment Automation, Release Management, AWS Administration including end-to-end code configuration, building binaries & deployments in entire life cycle of enterprise applications.

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SKILLS

AWS Devops Docker Kubernetes GIT, GITLAB Tomcat Maven Artifactory JIRA Terraform Ansible

WORK EXPERIENCE

DevOps Engineer

LTI & Mindtree, Hyderabad

03/2019 – Present,

Achievements/Tasks

- Setup and maintain server-monitoring using Cloud Watch. Setup Cloud Watch Alarms, Auto Scaling Integration.
- Writing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python.
- Daily activities include creating builds for multiple projects, deploying artifacts to multiple QA/DEV environments and debugging issues.
- Written Ansible playbooks and Create roles as part of CI/CD Pipeline.
- Written Terraform modules as part of POC and deployed infrastructure using GitHub Actions.
- Create/Manage VPC, Subnets, Route Tables. Disabling ports via Security groups/Nacl's. Enabling VPC Peering between Test, QA and Prod VPCs.
- Support the engineering teams regarding CI/Build Tools, Environments and Automation.
- Involved in Branching, Tagging and merging of Code at required releases.
- Maintaining Jenkins/Plugins. Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
- Experience in bug tracking and analyzing test results and prepared Release Notes
- Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB Services, EBS volumes; to set alarm for Notification or Automated actions, and to monitor logs for better understanding and operation of the system.

Project 2: Natwest Bank, UK

Responsibilities:

05/2020 - Present,

- Provided day to day Build and deployments in pre-production and production environments.
- Configure, monitor and automate AWS as well as involved in deploying the content cloud platform on Amazon Web Services using EC2, S3 and EBS.
- By using Nexus created a central storage and access to artifacts and metadata about them exposing build outputs to consumer such as other projects and developers, but also QA or operations teams or even customers.
- Installation, Configuration and Management of RDBMS and NoSQL tools such as Mongo DB.
- Creating S3 buckets and maintained and utilized the policy management of S3 buckets and Glacier for storage and backup on AWS.
- Experienced with source code administration to Manage and configure GIT and resolved issues regarding source code management, manage branching and merging, and code freeze process.
- Automated Scheduled Builds/Emergency Builds and Release using Maven for Enterprise application (J2EE).
- Created Ansible Playbooks provision Apache Web servers, Tomcat servers, Nginx, Apache Spark and other applications.
- Experiences on setting up databases in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket.
- Installed and configured Kubernetes and Docker on AWS EKS (Elastic Kubernetes Service) in Dev, Test, Stage and Production Environments.

Project 1: Natwest Bank, UK

Responsibilities:

04/2019 – 05/2020,

- Worked on Linux-based operating systems.
- Managing user accounts, permissions, and access controls.
- Monitoring system performance, troubleshooting issues, and optimizing system resources.
- Performing system backups and recovery procedures.
- Developing and maintaining automation scripts using shell scripting.
- Automating repetitive tasks, system monitoring, and performance optimization.
- Diagnosing and resolving system-related issues, including performance bottlenecks, network connectivity, and hardware failures.
- Providing technical support to end-users, troubleshooting software and hardware problems.
- Implementing proactive monitoring solutions to identify and address potential issues before they impact system performance.
- Implementing security best practices and hardening Linux systems.
- Conducting security audits and vulnerability assessments.
- Creating and maintaining technical documentation, including system configuration, procedures, and troubleshooting guides.
- Collaborating with cross-functional teams, such as developers and network engineers, to support system requirements and integrations.
- Participating in change management processes and maintaining version control of system configurations.

EDUCATION

Completed Graduation from Dr. BR Ambedkar University – Srikakulam in 2018

LANGUAGES

English

Full Professional proficiency

Telugu

Full Professional proficiency

Hindi

Beginner

