

**TEK011408** (DevOps - 5 + Year) BSc

## Highlights

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### PROFESSIONAL SUMMARY:

- Having 5 years of experience in DevOps, Build and release engineer with AWS cloud platform and good expertise on the Software Development Life Cycle and Agile methodologies.
- Proficient in version control systems like GIT for managing source code.
- Proficient in setting up and configuring Jenkins for Continuous integration and continuous deployment (CI/CD) pipelines.
- Automate deployments using Ansible playbooks.
- Strong background in Docker for containerization, including building Docker images and managing Docker containers.
- Primarily worked on Java, Python, Hadoop, HDFS, Spark, Sqoop, Hive, PySpark and AWS (S3, RedShift, Athena, RDS, DMS, ETL Glue, Lambda Microservices, Amazon SQS, Amazon SNS).
- Have acquired intermediate knowledge on UNIX, Kafka and MongoDB, AWS Kinesis Data Streams, Kinesis Firehouse. Experience in working with spark programs with python and java. Good knowledge in writing HQL and Spark SQL for effective data processing to retrieve required results.
- Proficient in Kubernetes for containers orchestration and management.
- Deep understanding of cloud platform such as AWS.
- Expertise in various AWS services like EC2, Auto Scaling, ELB, S3.
- Successfully implemented infrastructure as code using Terraform to automate the provisioning and management of AWS resources.
- Wrote modular and reusable Terraform scripts for various infrastructure components.
- Experience in using Bug/Defect tracking tools like JIRA.
- Good understanding of Software development life cycle (SDLC)
- Excellent troubleshooting and problem-solving skills.

## Skills

### Primary Skills

- AWS
- Build & Release
- GitHub

### Secondary Skills

- Ansible
- Docker
- Kubernetes

### Other Skills

- IAC - Terraform
- Application servers - Apache, Tomcat
- OS - Linux (Ubuntu & CentOS) and Windows

## TECHNICAL SKILLS:

- CI Tools - Jenkins
- Version control - GIT
- Configuration Management - Ansible
- Containerization Tool - Docker
- Orchestration Tool - Kubernetes
- Cloud - AWS

## Projects

### Project 1. Anthem - IT Industry (12 months)

**Designation/Role : Senior Software Engineer / AWS & DevOps Engineer**

**Environment : Jenkins, GitHub, Kubernetes, AWS.**

**Responsibilities:**

- Setup the different environments like DEV, QA, PERF.
- Designed, implemented, and maintained CI/CD pipelines to automate the build, test and deployment process using Jenkins.
- Managed Kubernetes clusters for container orchestration.
- Deploying the applications on Kubernetes cluster.
- Writing the Kubernetes YAML 's as per the requirements.
- Troubleshoot the application issues on Kubernetes cluster.
- Designed and deployed AWS resources such as EC2 instances, S3 buckets, VPC's and more using Terraform.
- Implemented consistent and standardized infrastructure across different environments (development, testing, production) using Terraform workspaces and variables.
- Conducted regular infrastructure reviews and applied improvements to enhance efficiency and resource utilization.
- Collaborated with development, QA, and operations teams to ensure smooth integration and deployment of code changes.
- Working on Agile fashion with 2-week sprints.
- Participate in the sprint ceremonies like sprint reviews, backlog refinement etc.

**Project 2. CRST - IT Industry (6 months)**

**Technologies: Developer**

**Technologies: Big Data, AWS, Spark, Python.**

**Tools: EMR Cluster, AWS Console, anaconda, IntelliJ Idea**

**Description:**

CRST International is one of the nation's largest transportation companies, providing total transportation solutions and comprehensive logistics services to customers all over North America. CRST provides a broad array of transportation and logistics solutions including van, flatbed and dedicated, as well as brokerage, transportation management services and high value product white glove moving services. We tailor each solution to our clients' unique needs and focus on delivering superior service.

**Responsibilities:**

- Managed Git repositories and implemented branching strategies
- Creating the automated build and deployment process for application and leading up to building a continuous integration system for all our products using Jenkins.
- Implementing a Continuous delivery framework using Jenkins, Maven and Ansible in Linux environment.
- Create ansible playbooks/roles based on the requirement.
- Deploying the applications in DEV & QA Environments.
- Responsible for creating different branches on GitHub.
- Wrote Dockerfiles for creating custom Docker images.
- Implemented & maintained standalone Kubernetes cluster.
- Troubleshoot the build issue during the Jenkins build process.

**Project 3. Medica - IT Industry (28 months)**

**Environment** : ServiceNow, JIRA, AirWatch, Google Playstore, Jenkins, Git, Maven, Shell Scripting, AWS, Docker, Kubernetes.

**Description:**

Medica is a non-profit health care system with locations in northwest Ohio and southeast Michigan. The system includes a health education and research centre, the health maintenance organization Paramount Health Care, nursing homes, a local business network of private practices, and several hospitals.,

**Responsibilities:**

- Utilize Jira for issues reporting and status tracking
- Creating change requests and getting permission for prod releases.
- Deploying IOS and Android mobile applications in Test and Prod environments.
- IOS applications deploying into AirWatch tool.
- Deploying Android applications into Google Play store.
- Deployed the use cases to AWS using azure devops Created AWS glue jobs and crawlers using deployment steps from azure devops Data analysis has done in aws glue using PySpark Once implementation of code has finished code is stored in artifact bucket The final output is stored in respective bucket locations (conform, enrich, transform buckets) Docker image is pushing into ECR Repository
- Rollback to previous versions in case any production upgrade failures.