**Allu Ashok Reddy**

**DevOps Engineer**

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**Career Objective:**

Looking forward to work in an organisation, which give me an opportunity to perform and provides me a constant learning environment, where my ideas, efforts and contribution lead self as well as organisational growth.

**Professional Summary:**

* Having **4 years** of IT industry experience in Amazon Web services (**AWS**) and **DevOps**
* Responsible for ensuring stability, continuity and availability of the applications. Configure, manage, and deploy multiple number of applications in different platforms Linux/Unix, and Windows operating system environments.
* Core Skills on AWS, DevOps, Linux.
* DevOps experience with AWS, Jenkins, Ansible, Docker, kubernetes.
* Experience in branching, staging and maintaining the version across the environments working
* on Software Configuration Management (SCM) GIT (Github).
* Good experience using Maven/ for building java based web applications
* Implementing CI/CD process. Good in implementing pipeline as a code in Jenkins.
* Expertise in Trouble shouting on java applications in Tomcat services and Web applicationi Apache.
* Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, IAM, AMI, SNS, RDS, Route 53, Cloud Watch.
* Supported deployments into DEV, QA, UAT, Pre-Prod &amp; PROD environments with multiple application server technologies like Apache Tomcat.
* Good Exposure on Virtualization and Containers (Docker).
* Extensively worked on Jenkins by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End to End automation for all build and deployments.
* Good knowledge in CI (Continuous Integration) and CD (Continuous Deployment) methodologies.
* Worked with Docker and created multiple containers, images and also had experience on writing the Dockerfile.
* Created the deployments, services and ingress flows for the application setup in the Kubernetes
* cluster.
* Participated in release level discussions and gone through the total SDLC and Agile methodology
* Provided 24x7 dedicated support for emergency site maintenance and immediate build and instalrequests
* Troubleshooting production issues and fix systems issues when necessary.

**Education Qualification:**

B.Tech from Jntu Kakinada University in the Year 2016.

**Technical Skills:**

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| Core Skills | DevOps Tools |
| Cloud Platform | AWS |
| Operating Systems | Linux, , Windows |
| Configuration Management | Ansible |
| Build Tools | Maven |
| Version Control Tools | GIT (GIThub) |
| Application server | Tomcat |
| CI CD Tool | Jenkins |
| Languages/Scripts | Shell Scripting |
| Containerization Tools | Docker |
| Container Orchestration | Kubernetes |
| Monitoring Tools | Cloud Watch,New Relic |
| Artifact Repository | Nexus |
| Code quality | Sonarqube |
| Tracking Tools | Jira |

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**Work Experience:**

* Working as a DevOps Engineer in TECH MAHINDRAfrom Aug 2018 to Dec 2020.
* Working as a Build & Release Engineer With Unisys from Sep 2016 to July 2018.

**Project Details:**

**Project #2:**

**Client: Tech Mahindra**

**Role: DevOps & AWS Engineer**

**Duration: Aug 2018 to Dec 2020**

**Roles & Responsibility**:

* Used Jenkins for Continuous Integration and Continuous Delivery (CICD) into Tomcat Application Server
* Created Docker files and build images and push to the Docker private registry
* Created the deployments, services and ingress flows for the application setup in the Kubernetes cluster.
* Developing build and deployment pipelines using Jenkins, Maven for Java applications
* Strong working knowledge on GIT, SVN.
* Developed a fully automated continuous integration system using Git , Jenkins and custom tools developed in Bash
* Experience in build management and continuous integration tools.(Jenkins)
* Designed and built cloud service models including Infrastructure-as-a-Service (Iaas) Driving industry best practice implementation around CI/CD and infrastructure management.
* Administered version control system that included branching and merging
* Set up the local development environments through Docker containers for new developers.
* Installing, configuring and administering Jenkins CI tool on Linux machines.
* Well-versed with Amazon Web Services (AWS) provisioning and good knowledge of AWS Services like
* EC2, Elastic Load-balancers, ALB, S3, EBS, RDS, VPC, Route53, Cloud watch, Cloud Formation and IAM.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu) and Configuring
* launched instances with respect to specific applications.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Configuring and Networking of Virtual Private Cloud (VPC).
* Implemented AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), Auto Scaling.
* Created alarms and notifications for EC2 instances using Cloud Watch. Installed and configured New Relic monitor tool performance on all nodes.
* Setup and maintained Development, QA, Pre-Production, and Production environments.
* Environment: Jenkins, Maven, GIT, Ansible, AWS, Docker, Kubernetes, Apache Tomcat.

**Project #1:**

**Client: Unisys**

**Duration: Sep 2016 – July 2018**

**Role : Build and Release Engineer**

**Roles & Responsibilities:**

* Responsible for versioning the source code, releasing binary files, creating and applying labels on source files and release files.
* Efficient in tracing complex build problems, release issues and environment issues in a multi component environment.
* Analyze and resolve compilation and deployment errors related to code development, branching ,merging and building of source code.
* Managed Linux staging and testing environments and also automated application packaging and deployments
* Configured and managed Nagios for monitoring over existing AWS Cloud platform.
* Connected continuous integration system with GIT version control repository and continually build as the check-in’s come from the developer
* Integrate GIT into Jenkins to automate the code check-out process.
* Responsible for User Management, Plugin Management and End-to-End automation of Build and Deployment process using Jenkins.
* Experience with Build Management tools like Maven for writing Pom.xml
* Managed the Maven Repository using Nexus tool and used the same to share the snapshots and releases of internal projects.
* Created Instances in Apache Webserver and tomcat Application server in QA and Production environments.
* Worked with scrum and development team in overseeing bug tracking, test prioritization, test automation and releases.
* Maintain and enhance current build procedures for all software development projects.
* Environments: Jenkins, Maven, GIT, Ansible, Nexus, Apache, Apache Tomcat Application Server, Cloud computing.