

# M. Ashok Kumar (AWS DevOps Engineer)

An enthusiastic & high energy-driven professional; targeting assignments in the field of **AWS DevOps Engineering** with a growth-oriented organization to best utilize knowledge & skills acquired.

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## Profile Summary

- Result-oriented professional offering **over 4.1 years** of experience in AWS Build and Release, DevOps, Linux and MySQL, Shell Scripting, Yaml Configuration files, Groovy Scripting, Docker File.
- Successfully developed and maintained tools, solutions and micro services associated with deployment while ensuring compliance with standards
- Provided detailed specifications for proposed solutions including materials, manpower and time, as necessary
- Hands-on experience in implementing continuous integration using tools like Jenkins; configuration management tool like Ansible build tools such as Maven; documenting and automating the build and release process; Version Control Systems like GIT and GITHUB; Linux environment and infrastructure; Kubernetes setup
- Expertise in troubleshooting the problems generated while building and deploying
- Proficient in working closely with teams to ensure high quality and timely delivery of builds and releases
- Skilled with source controller concepts like Branches, Merges and Tags
- Managed all aspects of the software configuration management process including code compilation, packaging /deployment /release methodology and application configurations
- Enhanced process operations by giving in continuous process improvement strategies; generated highest possible efficient results
- Growth-oriented with strong communication, analytical & organizational skills; well organized with a track record that demonstrates self-motivation & creativity to achieve corporate goals

## Core Competencies

Project Planning	Build & Production Deployment	Requirement Gathering
Solution Installation & Configuration	Release Management	DevOps Engineering
Application Lifecycle Management	DevOps – Build and Release	Performance Testing

## Soft Skills

Detail Oriented	Critical Thinking	Analytical
Communicator	Collaborator	Motivator

## Academic Details

**2017 -2019 : Worked as Construction Engineer Finger Six Architects, Hyderabad**

**2017:**B.Tech. in Civil Engineering from Pace Engineering College, JNTUK, A.P.

**2013:**12<sup>th</sup> from Sri Chaitanya Junior College, Board of Intermediate Education, A.P.

**2011:** 10<sup>th</sup> from Srivani Public School, Secondary School of Education, A.P.

## Work Experience

**Virtusa, Chennai**

**Jan'20- Present**

**DevOps Engineer**

**Key Responsibilities Areas:**

- Performing technical discussions with the client, negotiating, planning, managing all project related activities, attending the

- Monitoring builds and providing proactive support to resolve any build issue, exposing in build and release systems for web-based software systems
- Performing branching, tagging and merging of code delivery at required release
- Coordinating with the development team to fix build and configuration issues
- Troubleshooting any issues that arise during testing and production, identifying and solving issues before launch
- Testing system integrity, implementing designs, application developments and other processes related to infrastructure, making improvements as needed
- Deploying product updates as required while implementing integration as and when they arise
- Automating operational processes as needed, with accuracy and in compliance with security requirements
- Specifying, documenting and developing new product features, and writing automation scripts
- Coordinating with the Project Management Teams to monitor progress and implement the initiatives
- Developing and implementing systems that aid and facilitate our rapid growth including the implementation of deployment policies, future procedures, configuration management and planning for capacity upgrades
- Designing, operating and automating operational tasks, such as Networking configuration, disaster recovery, monitoring and alerting

## Projects Managed

**Client: Spero**

**June'23 - Present**

**AWS DevOps Engineer**

**Platform: Linux, Maven, GIT, GITHUB, shell scripting, Jenkins, Kubernetes**

**Key Result Areas:**

- Setting up the new build environment for various applications in Windows/Linux environment
- Managing organizational standards by maintaining the source code in GIT for various applications
- Maintaining and extending configuration and building sub-systems on GIT; creating and maintaining the development and release branches on GIT
- Using Maven as a build tool to automate the process of building artifacts
- Supporting and helping to create dynamic and snapshot views for end users
- Installing Jenkins on a Linux Machine, creating a Master and Slave configuration to implement multiple parallel builds through a build
- Participating in the design and implementation phases of new and existing products, with a focus on technical knowledge for successful execution of the requirements
- Helping engineering teams implement new technologies in development for future production deployment
- Actively monitoring and administering the applications and hosting environment to increase efficiency, improve reliability, and minimize downtimes
- Measuring, optimizing and the tuning system performance and ensuring that systems will run reliably and are highly available in a 24/7 production environment
- Scripting and monitoring/deployment using Ansible to automate the task/deployment/install
- Automating the manual process if any, by writing the Shell scripts
- Deploying the application using Tomcat
- Executing primary responsibilities including build and deployment of the Java applications onto different environments like QA, UAT, Pre-Prod and prod
- Coordinating production environment to support activities which include major release or emergency hot fix deployments, scheduling and coordinating with client regarding operational job cycles or any activities

**Client: Verizon Communications**

**March'21- June'23**

**AWS, Build & Release Engineering**

**Platform: AWS, Ansible, Docker, Jenkins, Maven, GIT, GITHUB, MySQL DB**

**Key Result Areas:**

- Created Tags and supported branches; managed code repositories
- Added/Deleted, permissions and customized views and branches
- Coordinated build and deploy activities
- Implemented Jenkins for Continuous Integration Builds and Notifications exclusively for Developed as a self-help feature
- Performed installation testing on builds before giving over to the QA team

- Worked with Developers, QA and Product Support Teams to identify and resolve build problems
- Reviewed build results, debugged and optimized complex builds, and discussed technical issues with developers, architects, and managers
- Developed and maintained build and release the process documentation
- Performed SCM tasks, such as check-in, checkout, branching, tagging and merged code from development branches to main branch and main branch to development branches
- Assisted the Development Team to resolve issues with build, environment, SCM and tools
- Automated the build and deploy tasks using Maven & Jenkins
- Performed the GIT Merging activities
- Configured the DOCKER containers and created Docker file for different environments

**Client: FedEx Corporation**

**Jan'20 – March'21**

### 1. DevOps Engineer

**Platform: AWS, Linux, GIT, Maven, Tomcat, Jenkins, Docker, Nagios, MySQL**

#### Key Result Areas:

- Worked on integrated GitHub into the continuous integration (CI/CD) environment in Jenkins
- Created private networks and sub-networks and brought instances under them based on the requirement
- configured management using Ansible
- Wrote lay books for installing packages
- Worked on developing and maintaining build, deployment scripts for test, staging and production environments using Shell Script
- Created Docker compose files, setup Docker swarm clusters for high availability, monitored servers with the help of Nagios, created name space, pods, Replication Controllers and replica sets in Kubernetes

## Technical Skills

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- **Operating Systems:** Windows, Linux
- **Cloud Service :** AWS, VPC, AWS S3, Cloud formation, ELB, EBS, ROUTE 53, ECS, EKS, IAM
- **Database :** MySQL
- **Version Control Tools:** GIT and GITHUB
- **Contiguous Integration Tool:** Jenkins, CI/CD Pipeline
- **Build Tools:** Maven
- **Configuration Management Tools:** Ansible
- **Containerization:** Docker, Docker Files
- **Container Orchestration Tool:** Kubernetes
- **Application Servers:** Apache Tomcat
- **Scripting Languages:** Shell Scripting, Groovy Scripting, Shell Scripting, Yaml Configuration Files, Docker File
- **Monitoring Tools:** Nagios, Cloud Watch
- **Cloud Service Configuration :** Terraform, Cloud formation

## Certifications And Training Attended

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- AWS - AWS Solutions Architect – Associate
- AWS - AWS SysOps Administrator – Associate
- DevOps Tools

## Personal Details

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**Languages Known:** English, Hindi, Tamil and Telugu