

# Aspak Hussain

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# DevOps & AWS Engineer

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## Professional Summary:

Having **3.3 years** of experience in IT Infrastructure with **DevOps and Cloud Management** as a DevOps Engineer, Proficient in **Git, Maven, Jenkins, Docker, and AWS**.

- Having good experience as a “**DevOps/Build & Release Engineer**” which includes **environment setup, Automation process, Continuous integration**, and infrastructure management with **DevOps** practice.
- Knowledge on manage cloud **Software developments** with a focus on **Continues Integration and Deployment using GitHub, and Jenkins**.
- Manage team repository, and branches using SCM tools like **GIT and SVN**.
- Experience in using **Maven** as a build tool for building deployable artifacts (**JAR**) from source code.
- Experience in automating the infrastructure in AWS using web services.
- Strong knowledge and experience in AWS services like **EC2, S3, EBS, and IAM**.
- Deploying Chef to completely provision and manage **EC2 instances, volumes, DNS & S3**.
- Used CloudWatch to monitor server services like logs, **CPU, RAM, and disk storage**.
- Worked on Amazon Web Services (**EC2, EBS, ELB, AMI, VPC, S3, IAM, RDS, Route 53, Cloud Watch**).
- Good experience in Automation **framework, Build, Release, and Integration** in the design implementation of **Continues Integration, Continuous Delivery, and Continues Deployment**.
- Experience in Building **Continuous Integration (CI) & Continuous Deployment/Delivery (CD) – Jenkins**.
- Experience in troubleshooting the build and deployment failures.
- Work Experience as a member of **AWS Build Team**.
- Setup and managed **EBS Volumes and EIP to EC2 Instances**.
- Designed AMI images of EC2 Instances by employing AWS CLI and GUI.
- Created and Managed User Accounts, Log Management, Shared Folders, Reporting, Group Policy Restrictions, etc.

- Responsible for troubleshooting various network problems, and system problems like Core Dump Analysis.
- Infrastructure Development on AWS by employing services such as EC2, Cloud Front, **Cloud Watch, VPC**, etc.
- Worked with Management frameworks and Cloud Administration tools.
- Creating **CI/CD Automation** and **CI/CD pipelines** by integrating Git, GitHub, maven, Jenkins, and AWS (provisioning).
- Experience in using Ticketing Service **JIRA**.
- Having a good experience with code quality tools like **Sonar Qube**.
- Expert in deploying the code through web application servers like **Apache Tomcat**.
- Experience in Creating **Docker images** and **Docker files**.
- Experience in implementing containerized solutions using **Docker, and Kubernetes**.
- Experience in using **JFrog** Repository Managers for **Maven** builds.
- Excellent skills for **Troubleshooting** and fixing day-to-day CI/CD-related issues.
- AWS Cloud platforms like (**EC2, Cloud watch, S3 Bucket, Auto-Scaling, and IAM Roles through AWS Console**).
- Managing environments like **UAT, Pre-Prod, and PROD**.
- Experience in supporting applications on different platforms Windows and Linux environments.

#### TECHNICAL SKILLS:

<b>Cloud Platform</b>	Amazon Web Services (AWS)
<b>SCM Tools</b>	SVN, Git
<b>Build Tools</b>	MAVEN, Gradle
<b>Continuous Integrated Tools</b>	Jenkins
<b>Containerization Tool</b>	Docker
<b>Artifactory storage</b>	JFrog
<b>Deployment Server</b>	Wildfly, Tomcat, Websphere
<b>Scripting</b>	Shell, and Python

## **Professional Experience:**

Working as a **DevOps & AWS Engineer** in **IBM** from April 2019 to till Date.

## **Project Experience:**

### **Current Project-1:**

Project Name	Hotel Management Solutions
Client	Capita One
Position	DevOps Engineer

## **Roles & Responsibilities:**

- Installing/Configuring/Managing Jenkins CI Automation.
- Jenkins is used as a continuous integration tool for the automation of the daily process.
- Installed/Configured and Managed Nexus Repository.
- Creating CI/CD pipelines by integrating Git, GitHub, ant, Jenkins, and AWS (provisioning).
- Building and implementing new projects builds framework using Jenkins & Maven as build framework tools as Continuous Delivery framework using Jenkins and Maven in Linux environment.
- Building and deploying scripts using Maven as a build tool in Jenkins to move from one environment to other environments.
- Efficient in Maven for the build process and Jenkins as continuous integration build tool and worked on build failures on troubleshooting.
- Used Jenkins to streamline CI/CD process, automated Master-Slave configurations using temporary slaves.
- Provisioning the infrastructure in AWS.
- Setting up EC2 instances and deployment of client applications like Apache, and Apache on AWS EC2 instances.
- Creating the Docker images through Jenkins CI & storing them in the ECR repository.
- Deploying the Docker images from ECR to the ECS cluster.

## **Environment:**

**Linux, AWS, Git, GitHub, Maven, Jenkins, Docker, Terraform, Shell Scripting.**

**Project #2:**

Project Name	Capital Group Companies, Irvine, CA
Client	Prism IT Corp, Florida, USA
Position	Build & Release Engineer

**Roles & Responsibilities:**

- Installed, Configure, and automated continuous build using Jenkins Continuous Integration tool.
- Built-up CI/CD pipeline using Git, ant, maven, and Jenkins for Java and Middleware applications.
- Creating various POCs of CI/CD pipelines by integrating source control tools GitHub, Build tool Maven, CI tool like Jenkins, and Deployment automation tool like Chef.
- Attended various training on Git, Maven, and Jenkins to create DevOps POCs.
- Involved in DevOps POCs by integrating Source controls tools, Build Tools, CI tools, and CD tools to start new DevOps services in the organization.
- Coordinating with the Development team to fix the Build related issues.
- Worked on multiple AWS instances, set the security groups, Elastic and AMIs, and Auto scaling to design cost-effective, fault-tolerant, and highly available systems.
- Creating new jobs in Jenkins and managing the build-related issues.

**Environment:**

**Git, Maven, SonarQube, Jenkins, Linux, AWS, Shell Scripting.**

**Educational History:**

- **B. Tech (2014 - 18)** in Electrical and Electronics Engineering from Sree Vidyanikethan Engineering College (Tirupati).

**Declaration:**

I hereby declare that the information above is true and correct to the best of my knowledge and belief and can refer above for verification.

**Aspak Hussain**