

# Software Engineer

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## Brief Summary:

**With 1.11 years of experience as a DevOps Engineer, I aim to showcase my skill set by securing a position with a company that not only launches my career but also cultivates a stronger and more versatile skill set.**

## Experience Summary:

- Having around 1.11 Years of Experience as a **DevOps Engineer** for Release planning, Deployment Strategy, Monitoring of Application.
- Experience in working on Version Control Systems like, **GIT and GITHUB**
- Hands on experience with SCM tools like Git for branching, tagging and version management.
- Having good knowledge in implementation of CI/CD Flows.
- Good Knowledge on the **Jenkins CI-CD tool** and Management of the Jenkins
- 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 Containerization using **Docker** i.e. Docker Image & Containers Creation.
- Having experience in creating custom Docker Images using **Docker file**.
- Setup framework for one click build and deployment on non-production environments.
- Realtime knowledge on the Cloud Architecture i.e. AWS on all Popular **AWS Services**
- Well versed with the **AWS Networking** and Security services.
- Good Knowledge on **AWS Lamda services,S3,CloudWatch,EC2,SNS,Cloud shell, Kinesis, Kafka,VPC,IAM**.
- Promoting code from one environment to another environment.
- Good knowledge on the **Linux and Shell scripting**.
- Familiar with Amazon RDS management i.e., **MySQL**.
- Experienced in **Python and Java**, with expertise in their setup and configuration.
- Experienced with **Terraform** for AWS service provisioning.
- Familiar with **Ansible** as a Configuration management tool.
- Good experience in deploying the build artifacts in **Tomcat Server**.
- Coordinating with the development team to fix build and configuration issues.
- **Troubleshoot** the Application related issues in **production & non-production** environments.
- Able to pick up modern technologies within a short stint and adapt to rapid change of environment.

## Technical Skill Sets:

Version Control System tools	GIT
Operating Systems	Windows, Linux

<b>Configuration Management</b>	Ansible
<b>Scripting</b>	Shell Scripting
<b>Programming Languages</b>	Python, java
<b>Build Tools</b>	Maven for Java
<b>Database</b>	Amazon RDS (MySQL) , Redis
<b>Containerization</b>	Docker
<b>Container orchestration</b>	Kubernetes
<b>Continuous Integration Tools</b>	Jenkins
<b>Cloud Environment</b>	AWS
<b>AWS SERVICES</b>	EC2, S3, CloudWatch, SNS, Cloud shell, VPC, Kinesis, AWS Lamda services, Kafka, IAM.
<b>Monitoring Tools</b>	CloudWatch

#### Educational Summary:

- ✓ Bachelor of Technology (B.Tech) in **Computer Science and Engineering** (CSE) from Sreenidhi Institute of Science And Technology, Hyderabad, Telangana.

#### Professional Experience:

- ✓ Currently working as **Software Engineer** in Zenius IT Services from July 2022 to till date.

#### Project 1:

<b>Project Name</b>	AIQ Analytics
<b>Client</b>	US BANK
<b>Role</b>	Software Engineer
<b>Environment</b>	GIT, Jenkins, Shell Scripting, Linux, AWS, Docker, Python, Django, MySQL, CloudWatch, Kubernetes

**Description:** US Bank stands as a leading financial institution in the United States, offering a comprehensive suite of banking services to individuals, businesses, and institutions. Renowned for its extensive assets and diverse operations, it serves across consumer banking, wealth management, commercial services, and corporate solutions, catering to varied financial needs nationwide.

#### Responsibilities:

- Built and supported Development, Integration, Staging and Production environments.
- Branching, tagging, merging and release activities on version control tool **GIT**.

- Implemented Continuous Integration using **Jenkins** and **GIT**.
- Used **Jenkins** for Automating Builds and Automating Deployments.
- Responsible for Creating the **Jenkins Pipelines** for Automation job creation.
- Created Virtual Machines by utilizing **AWS EC2** and configured **security groups** to restrict inbound and Outbound access.
- Utilized **IAM** to create and manage roles, policies, and multi-factor authentication (MFA) for secure access control.
- Implemented **VPC**, subnets, route tables, and security groups to ensure network security and compliance.
- Involved in creation and deletion of **Docker containers**.
- Created Docker Images using **Docker** File to support Containerization of applications.
- Upgrade of **python** version and **Migration** of AWS services.
- Developed and deployed **AWS Lambda functions** scheduled and triggered using **Cron jobs**.
- Creating **AMIs**, Snapshots, Volumes and managing EBS Volumes to upgrade and downgrade AWS resources.
- Performed **S3 buckets** creation, policies and on the IAM role-based policies.
- Administrating and maintaining **Amazon RDS(MySQL)**.
- Monitoring the AWS resources using **Amazon Cloud Watch** and **SNS**.
- Participated in Bug review meeting and release the builds to **pre-production and production servers**.
- Designed and implemented real-time data streaming solutions using **Amazon Kinesis Streams**.
- Managed Apache Kafka clusters on AWS using **Amazon MSK** for scalable and secure real-time data streaming.
- Primary responsibilities include Build and Deployment of the python applications onto different Environments like **QA, UAT, and prod**.
- Implemented the **bastion** host strategy to connect the servers.
- Implemented Autoscaling
- Creating playbooks in **Ansible** for configuration and Deployment activities.
- Closely worked with the Development and testing team to handle the tickets.

#### **Declaration:**

This is to declare that the information furnished above is true to the best of my knowledge and I assure you of my sincerity in executing the duties related to the job, should I be given a chance to serve.

**Place:**

**Date:**

**(More Raj Kumar)**