

## SAMREEN BANU

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### Career Objective:

To be able to work as a **DevOps Engineer** and build **release management, configuration management** in a whole new different environment where my skills in software Configuration Management and **Software Development Life Cycle** will be greatly challenged to meet the Company objectives.

### Professional Summary:

- Having **5.5 years** of IT experience as **Cloud DevOps Engineer** with **Configuration Management and Release Management**.
- Expertise in Amazon AWS Cloud Administration which includes services like: **EC2, S3, EBS, VPC, ELB, AMI, RDS, IAM, Route 53, Auto scaling, Cloud Watch, Cloud Front, Cloud Formation, SecurityGroups**.
- Administration various environments in software development life cycle (SDLC) Having Good Experience on Build tools like **MAVEN**
- Experienced in using Build Automation scripting like MAVEN as build tools for building of deployable artifacts (JAR, WAR) from source code.
- Having Good Experience on **CI, CD** and **Pipeline** as code in **JENKINS**.
- Worked on web servers like **Apache, Nginx** and application servers like **Tomcat** to deploy packages.
- Worked on **Microservices** for Continuous Delivery environment using **Docker**.
- Experienced in containers using **Docker**.
- Experience in setting up CI/CD pipelines integrating various tools with Jenkins to build and run **Terraform** jobs to create infrastructure in **AWS**.
- Creation of Clusters for Load Balancing and to provide Failover Environment.
- Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
- Managed access control and plug-ins installations, configured Distributed builds using **Master/slave** concept in **Jenkins** to achieve Continuous Integration and Delivery (**CI/CD**)
  - Developed **Ansible Playbooks** to manage systems configuration.
- Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (**SCM**) tool like **GIT**.
- Ability to build deployment, build scripts and automated solutions using scripting languages such as Shell scripting (Bash).
- Experience on orchestration tool **Kubernetes** to provide a platform for automating deployment, scaling and operations of application containers across clusters of hosts.
- **Kubernetes**: Cluster management, deployment, scaling, monitoring, and troubleshooting
- Good knowledge in **CI** (Continuous Integration) and **CD** (Continuous Deployment) methodologies.
- Excellent communication, team membership and relationship management skills.
- Worked with bug tracking tool like **JIRA**
- Strong ability to troubleshoot any issues generated while building, deploying in production support.

## **Technical Skills:**

<b>Version Control system</b>	GIT
<b>Build tools</b>	Maven
<b>CI/CD Tools</b>	Jenkins, ArgoCD
<b>Containerization Tool</b>	Docker
<b>Configuration Management</b>	Ansible
<b>Cloud Platform</b>	AWS
<b>Application Servers</b>	Apache Tomcat
<b>Web Servers</b>	Apache, Nginx
<b>Operating Systems</b>	Windows, Linux, Centos7
<b>Database</b>	Mysql
<b>IAC</b>	Terraform
<b>Orchestration Tool</b>	Kubernetes
<b>Scripting Languages</b>	Bash Scripting/Shell Scripting
<b>Monitoring Tools</b>	Prometheus, Grafana, CloudWatch

## **Educational Qualification:**

- I Completed my graduation in the year 2016 from Shadan College.

## **Professional Experience:**

- Working as **Senior DevOps Engineer** at **Grow-Z Software Solutions Pvt Ltd**  
from **July 2019** to **Till Date**.

## **Projects Summary:**

### **Project: 3**

<b>Client</b>	<b>Proximus</b>
<b>Role</b>	Technical DevOps Engineer
<b>Duration</b>	July 2022 to Till Date
<b>Environment</b>	Maven, GIT, Jenkins, Bash Scripting, Tomcat, Linux, AWS Cloud, Ansible, Docker, Terraform, Kubernetes.

## **Roles and Responsibilities:**

- Monitoring the **Microservices** applications
- Deployment of the version to **UAT** and **PROD** using **Jenkins/Git** etc
- Solving the Incident and Problem tickets, using **HPSM** and **Service Now**,
- Actively driving and participating in the Root Cause Analysis and Resolution, interacting with other teams.
- Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.

- Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** Configuration to implement multiple parallel builds through a build.
- Developed **Terraform** Modules to Provision and Manage infrastructure resources on **AWS**, resulting in improving infrastructure stability.
- Worked on infrastructure with **Docker** containerization.
- Create the **Kubernetes** cluster by using **kubeadm**.
- Implemented and maintained the knowledge base on the flows of Digital Architecture, **microservices applications**, common troubleshooting steps and improvements.
- Created triggers for efficient access control of the **GIT operations**, to involve operations before or after the execution of vital **GIT events**, to restrict or provide access to users.
- Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
- Worked on orchestration tool **Kubernetes** to provide a platform for **automating deployment, scaling and operations of application containers** across clusters of hosts.
- Converting Existing **Terraform** modules that had version conflicts to utilize **cloudformation** during **Terraform** deployments to enable more control or missing capabilities.
- Create and Implemented change requests with approvals of stakeholders during offhours to keep the continuity of software updates.
- Maintaining & Monitoring of **Dynatrace** Tool used across the platform to check the alerts trigger due to CPU load etc...

## Project: 2

<b>Client</b>	<b>Immunocore</b>
<b>Role</b>	Sr. DevOps Engineer
<b>Duration</b>	May 2021 to June 2022
<b>Environment</b>	Maven, GIT, Jenkins, Bash Scripting, Tomcat, Linux, AWS Cloud, Terraform, Kubernetes, Ansible, Docker.

## **Roles and Responsibilities:**

- Creating CI/CD pipelines by integrating **Git, GitHub, Maven, Jenkins, Ansible, and AWS(provisioning)**.
- Configuring of **VPC** with networking of **subnets** containing servers.
- Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed to reach one or more **AWS EC2** instances.
- Used **GIT** for source code version control and integrated with **Jenkins** for **CI/CD** pipeline, code quality tracking and user management with build tools **Maven**.
- Upgrading **Jenkins** and build triggers for jobs whenever the new commit occurs through webhook.
- Collaborated with Development and Support teams to setup a **CD (Continuous Delivery)** environment with the use of **Docker** continuous build and delivery tools.
- Worked on Multiple **AWS** instances, set the **security groups, Elastic Load Balancer** and **AMIs, Auto scaling** to design cost effective, fault tolerant and highly available systems.
- Creating snapshots and managing EBS volumes.
- Install, Configure and Administer **Jenkins** Continuous Integration Tool.
- Setup **Ansible Playbooks** to perform builds and deployment management.
- Provide stable build environments for product development.

- Creating the Kubernetes cluster and writing the manifest files and Service files.
- Involved in the release process and Deployed applications in Kubernetes Cluster.
- Scripting & automating tasks using **Bash scripting** for backup.

### **Project:1**

<b>Client</b>	Expedia
<b>Role</b>	Software Engineer
<b>Duration</b>	Nov 2019 – May 2021
<b>Environment</b>	Maven, GIT, Jenkins, Bash Scripting, Tomcat, Linux. AWS Cloud, Docker.

### **Roles and Responsibilities:**

- Setting up the new build environment for various applications in **Windows/Linux** environment.
- Using **Maven** as a build tool, I could automate the process of building artifacts.
- Supported and helped to create dynamic views and **snapshot** views for end users.
- Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** Configuration to implement multiple parallel builds through a build.
- Configuring, Troubleshooting and Monitoring build jobs in **Jenkins**
- Building various Jobs on servers in different environment like **QA, UAT, Pre-Prod..**
- Deploying **WAR** and **JAR** Application on targeted managed Servers by using Jenkins.
- Using **Git** as version Control System and Automating the Code from **GitHub** to **Jenkins**.
- Using **Nexus** for Artifact Repository Management and pushing the code from **Jenkins** to **Nexus**.
- Responsible for Supporting 24\*7 for both Production and Non-Production Environment.

### **DECLARATION:**

I, hereby declare that all the details furnished above are true to the best of my knowledge.

**(SAMREEN BANU)**