Sagar A

**AWS & DevOps Engineer**

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**CAREER OBJECTIVE:**

To secure a responsible career opportunity to fully utilize my training and skills and to expand my learnings and knowledge while making a significant contribution to the success of the company.

# WORK EXPERIENCE:

* Having total of **2.9** Years of experience in IT industry which are classified as below:
* **2.2** Years of experience **as AWS & DevOps Engineer, Wipro**
* **7** months of experience as **DevOps Engineer, HCL Technologies**
* Having good exposure in **AWS Cloud, DevOps tools, UNIX, SQL**
* Knowledge all phase of **SDLC** including Production Support, Migration, Testing and Implementation.
* Experience of good client interaction and to deal with their requirements.

# TECHNICAL SKILLS & EXPERTISE:

#### **Cloud** **:** **Amazon Web Services**

**Databases : RDS, MySQL, Oracle**

**IDE : Visual Studio, SQL Developer, Monitoring**

**Tools : Splunk, App Dynamics, AWS CloudWatch**

**Provisioning & Configuration Management Tools: Ansible, Terraform**

**Version Management Tools : Git , SVN**

**Container Orchestration Tools: Kubernetes & Docker Swarm**

**Integration Tools : Jenkins**

**Build Tools : Maven**

**Code Quality : Sonarqube**

**Docker Image Repository : Nexus, Docker Hub Operating System : Linux, Ubuntu, Windows**

**Databases : MS SQL Server 2008, MS SQL Server 2012, Oracle**

**Web Server : Apache, Tomcat**

**Application Server : JBOSS 5.1, JBOSS 6.1.1, Weblogic, Websphere Languages Known : Python, SQL**

# PROJECTS UNDERTAKEN:

## Project # 1:

**Client : UGL Limited**

**Team size : 3**

**Role : AWS & DevOps Engineer**

**Duration : 1.2 Years**

**Responsibilities:**

* Setup/Managing Linux Servers/ Windows server / Ubuntu servers on Amazon EC2.
* Setup/Managing Databases on Amazon RDS. Monitoring servers through Amazon CloudWatch, SNS.
  + Creating/Managing DNS records on Amazon Route 53 and go-daddy panel.
  + Uses **Terraform** for creating new infrastructure or to modify an existing infrastructure (Infra as a code)
* Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
* Used **Ansible** to do configuration and to automate deployments
* Maintain system availability as per multiple Service Level Agreements (SLA).
* Worked on creating **Kubernetes cluster** from end to end.
* Managing the services within AWS and global IT infrastructure.
* Manage and configure AWS services as per the business needs (ELB, Route53, S3, CloudWatch, IAM, VPC)
* Handling L1 and L2 level issues, involved in the client calls, done several deployments, Client handling and resolving the tickets.
* Worked on Pod Creation and managing Containers
* Implemented continuous delivery pipeline involving **Jenkins**, **Ansible** to complete the automation from commit to deployment
* Assisted developers with establishing and applying appropriate branching, labeling convection's using **GIT** source control
* Implemented and supported CI process via **Jenkins**
* Administrated and Implemented CI tools Jenkins for automated builds and also integrating Unit tests and **Code Quality Analysis Tools** like **SonarQube**
* Hands on working experience on Web Server (**Apache**), Application Servers (**Tomcat, JBoss**), DB Server (**MySQL**)
* Documented the entire installation process for various tools and provided on-call support.

## Project # 2:

**Client : Boeing**

**Team size : 2**

**Role : AWS & DevOps Engineer**

**Duration : 1.4 Years**

#### **Responsibilities**:

* Manage and configure AWS services as per the business needs (**AWS Lambda, SQS, CloudFront, EC2, ELB, RDS, S3, IAM**)
* From last 10 months, I was involved in **Migration Project from On-Prem VMs to AWS**.
* Automated the environment creation (**VPC Setup**) using **Terraform**.
* Have a basic understanding of **Kubernetes** architecture.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support and schedule and run tasks in background using Crontab.
* Experienced in creating complex IAM policies, Roles and user management for access within AWS.
* Experienced in creating complex caching and routing policies with content delivery network (**CDN**) using **CloudFront** to improve the page speed.
* Implemented the setup for **master slave architecture** to improve the performance of **Jenkins**.
* Experience with build tools **Maven** for writing pom.xml for new applications and improvising the existing build scripts.
* Supported Dev team with troubleshooting build failures and Artifactory repository maintenance in **Nexus** Artifactory.
* Knowledge of Configuration management tool, Ansible to deploy critical applications, automates repetitive tasks and proactively manages changes.
* Created, modified and customized playbook modules to fit in infrastructure requirements.
* Monitoring AWS resources & set up notification alarm in case of trouble through **Cloud** **Watch**.
* Created volumes and attach volumes on to EC2 instances.
* Experience in setting up the security groups to associated EC2 instances in the VPC.
* Provided periodic feedback of status and scheduling issues to the management
* Setup Monitoring tool to Monitor Production Servers logs using **Splunk**

## Project # 3:

**Client : Herbalife Nutrition**

### **Team size : 2**

**Environment : AWS, Linux, Windows**

**Role : DevOps Engineer**

**Duration : 7 Months**

#### **Responsibilities**:

* Installed and configured Jenkins for purpose of continuous integration for automation for all build and deployments and creating **Jenkins CI pipelines**.
* Worked on AWS, configuration of EC2 instances to configure Elastic IPs, worked on Security groups to resolve firewall issues.
* Created S3 buckets and configured them with lifecycle policies to archive the infrequently accessed data to storage classes based on environment.
* Created **Ansible Playbooks** to provision Tomcat server, Jenkins, GIT.
* Worked in VI editors to create and modify YAML scripts.
* Automatically triggered **Jenkins** build when changes are pushed to **GIT** using Webbook method.
* Had been responsible for handling performance issues of applications deployed in AWS environment. Debugged Build failures and worked with developers and QA team to resolve related issues.
* Worked in **GIT** hub to manage Source code repository.
* Experience in **Kubernetes Cluster Setup** and deploying applications in **Kubernetes cluster**.

## PERSONALINFORMATION:

Father’s Name : Ashok Kumar S

Gender : Male

Nationality : Indian

Religion : Hindu

Date of birth : 22-11-1996

Marital Status : Unmarried Languages Known : English, Tamil

Permanent Address : Plot.No.29B, NO.7A, Telecom Colony, 1st Street, Ganesh Nagar, Adambakkam, Chennai-600088.

I declare that the information and facts stated herein are true and correct to the best of my knowledge.

## Sagar A