## ILLA CHAITANYA SRINIVAS

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## Professional Summary

*Having overall 3+ years of experience in Devops and AWS cloud..

*Experience in working on AWS and its services like **IAM, VPC, EC2, EBS, S3, ELB, Auto Scaling, Route 53, and SNS** and creating custom sized VPC, subnets, NAT, EC2 instances, ELB, and Security groups.

*Designed highly available, cost-effective, and fault-tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer, and AMIs.

**Establishing connectivity to AWS Resources in another **VPC** in another region using AWS VPC Peering. Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to Storage classes based on the requirement.

*Creating alarms in the **Cloud watch** service for monitoring the server performance, CPU Utilization, and disk usage.

*Used Amazon RDS to create snapshots and automate backup of the database.

*Experience with DevOps essential tools like **Docker, GIT, Jenkins, Maven, Jfrog Artifactory, SonarQube** and Managed AWS Services like EC2, S3, Route53, ELB, and EBS.

*Good Hands-on experience in creating Jenkins jobs, plug-in installations, and setting up distributed builds using master/slave concepts.

*Automated deployment of builds to different environments using Jenkins.

*Experienced in using Build Automation scripting like **Maven** as build tools for building deployable artifacts (JAR, WAR) from source code.

*Experience in using **Tomcat** and Apache web servers for deployments.

*Experience in **Docker** like creating Docker images, containers, Docker files, tagging, and publishing to Docker Hub.

## IT Knowledge Purview

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| --- | --- |
| **Operating Systems** | Linux, windows |
| **Version control system** | Git |
| **CI/CD tools** | Jenkins |
| **Provisioning tool** | Terraform |
| **Configuration Management Tool** | Ansible |
| **Containerization Tool** | Docker |
| **Scripting languages** | Bash Shell scripting |
| **Application server** | Apache tomcat |
| **Build Tools** | Maven |
| **Cloud Platform** | Amazon Web Services: Elastic Compute Cloud (EC2), Simple Storage Services (S3), Route 53, Cloud Front, Virtual Private Cloud (VPC), Elastic Load Balancer (ELB),  Auto-Scaling, IAM Roles, Users, Profiles, Elastic IP’s |

**Academic Credential**

* *Completed B. Tech(EEE) in SWARNANDHRA Engineering college from JNTUK university in 2014.

## Professional Experience

* Working as **DevOps Engineer/Build& Release Engineer** in **TCS from March 2020 to till date**.

**Projects**

# Project:

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| --- | --- |
| **Project Name** | Medco Health Solution. |
| **Client** | Medco Health Solution –USA. |
| **Role** | Cloud Engineer. |
| **Environment** | AWS, Linux, Git, Maven, Jenkins, Apache Tomcat. |

**Roles and Responsibilities:**

*Designing and deploying AWS solutions using **EC2, S3,** Elastic Load balancer (**ELB**), and auto-scaling groups.

*Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and configuring launched instances with respect to specific applications.

*Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.

*Working on Multiple AWS instances, set the security groups, Elastic Load Balancer (**ELB)** and **AMI**s, Auto scaling to design cost effective and highly available systems.

*Configuring and Networking of Virtual Private Cloud (**VPC**).

*Creating **S3 buckets** and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.

*Used **Cloud Watch** to set alarms for notifications or automated actions, and to monitor logs for a better understanding and operation of the system.

*Strong working knowledge on **GIT**.

***Performing the regular tasks that include cloning, pulling the repositories, branching and merging. Responsible for creating Artifacts using **Maven** and deploying those artifacts into **Tomcat Server**. Installed and configured **Nexus** repository manager for sharing artifacts between internal teams.

*Used Maven dependency management system to deploy SNAPSHOT and RELEASE artifacts to **Nexus** to share artifacts across projects.

**Configured and managed Git plugins in the **Jenkins** server. Responsible for configuring the slave nodes in **Jenkins**.

# Project:

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| --- | --- |
| **Project Name** | Balboa Insurance |
| **Client** | Balboa Insurance company (USA) |
| **Role** | DevOps Engineer |
| **Environment** | AWS, Linux, Git, Jenkins, Ansible, Terraform, Docker |

**Roles and Responsibilities:**

*Setting up **EC2 instances** and prerequisites on the instances for deploying the applications.

*Designing and deploying AWS solutions using EC2, S3, Elastic Load balancer (ELB), and auto-scaling groups.

**Provisioning of **AWS** instances using Terraform and creating modules to create an infrastructure of AWS. Experienced in creating multiple **VPCs**, public, and private subnets as per requirement, and established connectivity to AWS Resources in another VPC in another region using **AWS VPC** Peering.

*Used security groups, network **ACLs**, internet gateways and route tables to ensure a secure zone for organization. Used **Git** Hub repository to run **Jenkins** job for Continuous Integration.

*Installing and Configuring Jenkins, installing plug-in, configuring security, creating a master and slaves for implementation of multiple parallel builds.

*Designed and documented **CI/CD** tools configuration management.

**Managing the working environments through configuration management tool. Automated deployment of builds to different environments using **Jenkins**.

*Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.

*Experience in **Docker** like creating Docker images, containers, Docker files, tagging and pushing to Docker Hub.

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**DECLARATION**

I hereby declare that the above-mentioned information is correct up to my knowledge and I hear the responsibility for the correctness of the above-mentioned particulars.

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