RESUME

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Hema
Cloud Devops Engineer

Professional Summary:

- Over 3 years of hands on experience in setting up CI/CD pipelines, managing various tools required in the software lifecycle, Scripting in shell, Python, Java and UNIX / Linux System administration.
- Experience in SCM tools like using GIT.
- Good hands on experience in Build automation tools like Maven
- Strong knowledge on GIT branching strategy.
- Good experience in creating and configuring new Build jobs, Plug-ins Management, distributed builds using Master/Slaves and other administration tasks in Jenkins.
- Migrating a production infrastructure into an Amazon Web Services VPC
- Automate complete Continuous Integration using Jenkins
- Hands on experience in Amazon Web Services like **EC2, S3, EBS, VPC, ELB, EFS, SNS, SES, IAM, Auto scaling, Cloud Watch, Security Groups** with an overall objective to improve the scalability, reliability, performance and availability of the cloud infrastructure.
- Good hands-on knowledge of Source Code Management (Version Control System) tools like Git .
- Proficient in developing Continuous Integration/ Delivery pipelines
- Experience with automation/ integration tools like Jenkins
- Knowledge of major cloud service providers, like AWS.
- Good understanding of Infrastructure as Code .
- Hands-on knowledge of software containerization platforms like Docker and container orchestration tool like Docker Swarm, kubernetes.
- Proficient in scripting and Git and Git workflows
- Experience in developing Continuous Integration/ Continuous Delivery pipelines (CI/ CD)
- Utilized **Cloud Watch** to monitor resources such as EC2, CPU memory, Load Balancer Latency, Amazon RDS DB services, Dynamo tables, EBS volumes to automate the actions and to monitor logs for a better understanding and operation of the system.
- Managing AWS instances via monitoring tool and action the alerts accordingly.
- Strong Experience in Amazon **EC2** setting up instances, **VPC**s, and **security groups**.
- Setting up databases in AWS using **RDS**, storage using **S3 buckets** and configuring instance backups to S3 bucket.
- Excelled on creating **AMI** (AWS Machine Images) that utilizes **ELB** (Elastic Load Balancer) and Auto Scaling.
- Created alarms in **Cloud watch** service for monitoring the server performance.
- Implemented, deployed and maintained cloud infrastructure using AWS.
- Setup/Managing Database on Amazon RDS. Monitoring servers through Amazon Cloud Watch, SNS.
- Creating/Managing AMIs, Snapshots and Volumes Upgrade Downgrade AWS resources (CPU, Memory, EBS)
- Creating IAM Users and Groups and Maintaining the users Access management and Permissions.
- Launching static website using EC2 instance or ELB and S3 Bucket.
- Configuring topics for email and SMS in AWS simple notification services.
- Installed and Setup **Web Servers (Apache and Tomcat**), DB Server (MySQL)
- Configuring topics for email and SMS in AWS **Simple Notification Services** (SNS).
- Installing and configuring applications on AWS EC2 Instances.
- Designed **NetworkSecurityGroups** (NSGs) to control **inbound** and **outbound** access to network interfaces (NICs), **VMs** and **subnets**.
- Writing ansible playbook as per the requirement.

- Deployed application packages on to the Apache Tomcat server. Coordinated with software development teams and QA teams.
- Providing assistance on setting the AWS environment and also providing support on adding ports to security groups and **NACL**s to **VPC**.

Technical Skills:

Version Control Systems	:	GIT
Build tools/Script language	:	Maven, Shell scripting
CI Server [Continuous Integration]	:	Jenkins
Project Management Tool / Other	:	Jira, Sonarqube
Application Servers	:	Apache Tomcat
Operating Systems	:	Linux and Windows
Configuration Management t tool	:	Ansible
Container Services	:	Docker, Kubernetes
Cloud	:	Amazon Web Services.
Monitoring Tools	:	Cloud Watch, Nagios
Configuration management tool	:	Terraform

Professional Experience:

Working as a DevOps Engineer at **Accenture,** from March 2016 to till date .

ProjectExposure:

Project#1

Project Title : **Easy Taxi**
Client :Brazil
Role : Devops Engineer
Environment : **AWS**
Duration : From March 2019
Environment : Git, Maven, Jenkins, Tomcat, Jira, Ubuntu, Sonar, AWS, Ansible, Docker.

Project Description :

. Easy Taxi is a mobile app for taxi hailing available mobile platform enables more than 30 countries around the world. The app allows users to book a taxi and track it in real time. The same iOS, Android, or Windows Phone app can be used in all places in which the partner taxis operate. Easy Taxi was founded in 2011 in Brazil and has since expanded globally, covering the network of 30 countries and more than 420 cities

Roles and Responsibilities:

- Launching **EC2** instances using **Amazonwebservices** (Linux/Ubuntu) and configure them as per the application requirements
- Responsible for installing **Jenkins** on the server using **AWSEC2** instance
- Setup the **ContinuousIntegration**/**ContinuousDeployment** (CI/CD) process
- Configured **Jenkins** with **Git** and schedule the jobs on every commit made by the team.
- Setup pipelines in **Jenkins** for automation as part of the CI/CD process.
- Managing **Jenkins** jobs based on groovy and **Maven** script. Also use plugins at some points for test builds, also setting up multi-pipeline jobs to build based on dependencies.
- Used **GIT** for managing source code by resolving merge conflicts that occur during collaboration of various stakeholders of the application.
- Worked with **Docker** for convenient environment setup for **development**, **testing** and **production**. Experience creating multi-architectures in a container.
- Experience working with **Dockerimages**, **Dockercontainers**, **Docker-file**, **Docker-compose**, **Dockerswarm** and **Docker** stack. Also configured Load balancing, Scaling, Rolling-updates and fail-over scenarios in **Dockerswarm**.
- Downloaded images and uploaded customized images into **Docker** registry.
- Created **Ansibleplaybook** and roles to install and configure **Jenkins**. Creating **Ansible** roles using YAML such as tasks, variables, files, handlers, templates, tests, vars and writing playbook for that particular role.
- Deployed applications to the corresponding nodes using **Ansible**

- Terraform to deploy machine images created by Docker
- Terraform to manage cloud infrastructure

Project#2

Project Title **:** Macy OMS
Client **: Macy- San Francisco, CA**.
Role **:** Devops Engineer
Duration **:** March 2018- Feb 2019

Project Description **:**

Macy's is a US chain of mid to high range department stores. Web based Customer Order Management System is a pre-packaged composite application that streamlines and automates creating, managing, and coordinating customer orders and related customer order information. Customer Order Management provides centralized visibility into the process of generating, tracking and managing orders across departments. Macy's web-based Customer Order Management allows customers to view order status, order date and time, shipping information, billing information, exchange and return information and order related questions.

Roles and Responsibilities:

- Created best practices for branching & Merging Strategy to maintain the source code in the GIT version Control Systems.
- Implementation/setup continuous project build and deployment delivery process using Git, Jenkins, Tomcat.
- Expertise in applications deployment on Web and App Servers like Apache Tomcat application server
- Configuring new jobs in Jenkins as per the requirement from dev team.
- Responsible for creating branches, merging and resolving merging conflicts.
- Created best practices for branching & Merging Strategy to maintain the source code in the Bit bucket version Control System.
- Giving Jenkins access to users depending upon the teams.
- Developing build and deployment pipelines using Jenkins, Maven for Java applications.
- Experience in build management and continuous integration tools (Jenkins).
- Prepared Build and Release, Deployment guide documents.
- Documentation of build/release process.
- Creating war files using Maven

Project#3 : VMS (Vendor Management System)
Client **:**First Genisys, USA
Role **: S**oftware Test Engineer
Duration **: May** 2016 to Feb 2018

Description:
VMS (vendor management system) is the web application developed for the client First Genisys, USA. The main aim of this project is to minimize the gap between customers and their vendors in managing the products in different aspects. Typical features of a VMS application include order distribution, consolidated billing and significant enhancements in reporting capability that outperforms manual systems and processes. The project has been contains 3 modules namely Admin, Customer and Vendor. Admin is a super user to maintain the customer tracking system and have privileges like create, update and delete customers. Customer is a user to maintain the vendor tracking system and give services to vendors. Vendor is a user to interact with the product in different management aspects by providing good user interfaces

Responsibilities:

- Involved in designing test cases based on SRS and Test Plan.
- Executing Tests and analyzing results as per client requirements.
- Detecting the bugs and classifying them based on the severity and reporting.
- Involved in Functional Testing, G.U.I Testing and Compatibility Testing.
- Regression testing performed on every new build of the application.
- Reporting the Coverage status of test performed on the daily/weekly basis.
- Attended Project meetings and interacted with other team members in order to resolve the problems**.**

Educational Qualification:

- Completed Bachelor of Technology in **Electronics and Communication Engineering** from ASR College affliated to JNTU, Kakinada.

Declaration:

I, Hema, solemnly declare that the above details furnished by me are true to the best of my knowledge

Date:

Place :

(B. Hema)