## RESUME

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**CAREER OBJECTIVE**

To have a feasible and examining ambience, where I can contribute my dexterity and experience to intensify the organization through continuous learning and diligence.

**PROFESSIONAL SUMMARY**

* 6+ years of Overall Experience in IT Industry, 3.0+ years of experience in Software Configuration Management, Build/Release Management as a **Devops Engineer.**
* Having experience in Linux Operating System. Extensively worked on Ubuntu.
* Experience in automating build and deployment workflows using **GIT, MAVEN, JENKINS, DOCKER and ANSIBLE.**
* Experience on creating **GIT** **Branches**, **Tags** and **merging** the source code between different branches.
* Performing build activities by using **Maven**, created and modified build configuration files including **POM.XML**. Dependencies and automation.
* Experience in Continuous Integration (CI) setup. Installed Jenkins, **created build jobs,** set up **distributed builds** using Jenkins **master/slave** concepts, **plug-in** installation backup using **Jenkins.**
* Experience in automating, building, deploying, and releasing of code from one environment to other environment like **Dev, QA, and Staging.**
* Worked extensively with development teams, **QA,** deployment team and build and release to various environment and maintenance.
* Containerization Tool **Docker** writing **Docker files** for creating **Docker images** and containers for different environments. Building Docker images for new applications and make them ready to deploy application in platform
* Building and managing **Kubernetes** Clusters,Maintaining the production based **Kubernetes** cluster (installation, upgradation & so on) by using Ansible scripts.
* Strong Knowledge and hands-on experience on Configuring Establishment tool like **Ansible** and in writing **Ansible PlayBooks .**
* Verifying Deployment logs to check for successful deployments in **Apache Tomcat Server**.
* Expertise in Amazon Web Services (AWS) environment and good knowledge of AWS services like **Elastic Compute Cloud (EC2), Elastic Load Balancers, S3, Auto Scaling Group, IAM, RDS, VPC, Storage Gateway, Cloud Formation, Route53 Glacier, Cloud Front, Elastic File system, Cloud Watch, SNS, Cloud Trail.**
* Used Auto-scaling and Elastic Load Balancer features on EC2 instances to serve the end users using applications during unexpected traffic/demand.
* Built S3 buckets, managed policies for S3 buckets, used S3 bucket and Glacier for storage and backup on AWS. Setting Cloud Watch alerts for instances, utilizing in Auto-scaling launch configurations for better performance
* Good understanding of the principles and best practices of Software Configuration Management

(SCM) in **Scrum, Agile** methodology.

**Technical Skill Set**

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| --- | --- |
| Version Control Tool System | GIT |
| Build Tool | Maven |
| Continuous integration | Jenkins |
| Containerization**&** Orchestration Tool | Docker,Kubernetes |
| Configuration management Tool | Ansible |
| Application Servers | Apache Tomcat,Wildfly |
| Scripting Languages | Shell Scripting |
| Bug Tracking Tool | Jira |
| Operating Systems | Windows, Linux |
| Cloud Technology | Amazon Web Services |

**PROFESSIONAL EXPERIENCE**

* Working as **DevOps Engineer** in **Attra Infotech Pvt Ltd, Hyderabad** From July 2017 to till date
* Worked as  **AWS operational Support Engineer**,in **Wipro Technologies,Hyderabad** from July 2013 to June 2017.
* Worked as Faculty in Dept Of Computer Science in SRNB Degree College,Badvel from June 2009 to April 2013

**EDUCATIONAL QUALIFICATION AND CERTIFICATION**

* Bachelor’s degree In Computer Science in 2008 from Osmania University.
* **AWS Certified SysOps Adminstrator – Associate**

**PROJECT 3:**

* **Project : Transformations-Monolithic to Micro services**
* **Client : Scope International**
* **Environment : Git, Maven , Jenkins, Docker OpenShift, Kubernetes, Jira, shell**
* **Role : Devops Engineer**

**Roles & Responsibilities:**

* Used AWS to setup application and web servers
* Used EC2 to setup servers and Installed Jenkins
* Used S3 buckets for storage and archival.
* Implemented cloud services **IAAS, PAAS**, and **SaaS**which include **Openstack**, **Docker**and **Openshift**.
* Creating jobs using Jenkins. Manage installations of node, deployment configuration.
* Released builds to complete testing and review, Continuous integration using Jenkins.
* **Openshift**virtualized PaaS provider - useful in automating the provisioning of commodity computing resources for cost and performance efficiency.
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Implemented a production ready, load balanced, highly available **, fault tolerant Kubernetes**infrastructure.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Used **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.
* Managed **Kubernetes**charts using Helm. Created reproducible builds of the **Kubernetes**applications, managed Kubernetes manifest files and Managed releases of Helm packages..
* Configuring Docker Containers and Creating Docker files for different environments.
* Created Docker images using Docker files to support Containerization of applications.
* Deployed various applications through Docker containers.
* Taking care of deployments using Docker and Ansible.

**PROJECT 2:**

* **Project : High-Speed Pipeline**
* **Client : Travelers**
* **Environment : Git, Maven , Jenkins, Nexus, Apache Tomcat, Jira, shell**
* **Role : Devops Engineer**

**Description:**

The Travellers Claim Services. The Resources to manage the claim experience, including access to claim status, file uploads and secure messaging for claim professional. In-depth analysis of exposures, losses and trends to support informed decision-making about business operations. Minimized business disruption due to timely, accurate claim resolution.

**Roles & Responsibilities:**

* Successfully leaded migration of business owned applications to public/private cloud for over 30 Applications
* Successfully executed project management practices and communication between software development and cloud operations teams for efficient implementation, better utilization of time and budgets and boost to the DevOps approach.
* Automate the build and deployment Process Using Jenkins jobs with High-Speed-Pipeline Inner-source development Model.
* Worked with team for cloud operations efficiency using automation.
* Learned and implemented project estimation, planning and execution of efforts.
* Successfully implemented/Configured EC2, VPCs, Elastic Load Balancers, S3 and other services across multiple availability zones.
* Successfully implemented migration to Cloud RDS for more than 20 applications

**PROJECT 1:**

* **Project : Cloud Migration project**
* **Client : The Coca-Cola Company**
* **Environment : AWS-Ec2,ELB,EBS,RDS,S3,IAM**
* **Role : Support Engineer**

**Roles & Responsibilities:**

* Setup/Managing All AWS batch job servers and application servers.
* Setup/managing AutoSys tool for Scheduling jobs for Batch job servers.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, SSL, Security Groups, RDS and IAM).
* Setup/Managing VPC, Subnets; make connection between different zones; blocking suspicious ip/subnet via ACL.
* Create/Managing buckets on S3 (CLI) and store DB and logs backup, upload images for CDN serve.
* Setup/Managing Databases on Amazon RDS. Monitoring servers thorough Amazon Cloud Watch, SNS.
* Creating/Managing DNS records on Amazon Route 53
* Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
* Installed/setup the FTPs server and configure the same with SSL.
* Monitor Production Server Health of different parameters (System Load, Swap Memory, Hard disk, Apache requests, Mailq) via Nagios and Cloud Watch
* Installed/setup Apache webserver.
* Trouble shooting the servers issues within SLA priority
* Implement the server automation scripts for regular work.

**(EMMANUEL R K)**