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| Email jayavaraputhyagarajan@gmail.com  Receiver +91- 8884461553 | | |  |  |
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| **Total Experience** 4.3  --------------------------------------  **DevOps Engineering**  --------------------------------------  **Qualification** B.sc  -------------------------------------  **Work history**  **Honey well**  -------------------------------  -- |  | **Professional Summary**   * **Overall, 4.3+years of IT experience** in all phases of SDLC with expertise in DevOps Engineering involving Continuous Integration, Continuous Delivery, Configuration Management, Infrastructure Monitoring, Containerization and Build Automation & Release Management and version control. * Having around **3+ years’ experience in DevOps Engineering** using various automation tools to oversee the end to end deployment process. * Proficient experience with version Control tools like **GIT, GitHub and Bitbucket.** * Proven Experience on Build Tolls like **Maven.** * Implemented a Continuous Delivery pipeline with **Docker, Jenkins, GitHub, Maven and AWS.** * Designed, developed and deployed applications on to several cloud-based solutions using configuration Management tools like **Ansible**. * Worked on monitoring tools like **Nagios**. * ++Automated various service and application deployments with **Ansible** on RHEL. * Excellent working knowledge on various virtual systems/ like Docker, using Docker Files. * Implemented CI/CD Pipeline Using **Jenkins, Ansible, Docker,** using **Groovy and YAML files**. * Involved in designing **Jenkins configuration with Master/Slave** architecture and installation of **Docker, Maven** along with Configuration on AWS EC2 instance * Involved in **Jenkins and GitHub administration** by creating users, Repositories and allocating permissions accordingly. * Strong Experience in Amazon EC2 setting up instances, VPCs, and security groups. * Creating IAM Users and Groups and Maintaining the users Access management and Permissions. * Experience with Amazon AWS Cloud Services like **EC2, VPC, EBS, S3** and Experience in **IAAS, PAAS, SAAS** * Deployed infrastructure on **AWS** utilizing services such as **EC2, EBS, VPC** and managed network **security, IAM ELB** and **S3** * Proven knowledge with AWS service creating, configuring and managing **Auto Scaling**, and **Load Balancer** **and VPC** services across **AWS Cloud** * Creating **Shell and Python Scripts** for making Automation of processes regularly used like **disk clean up, storage of database and disk space monitoring along with triggering email notifications.** * Working Knowledge on scripting languages **Shell Script and Python.** * Good presentation, customer support and trouble shooting skills & experience in providing 24x7 supports. 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**. * Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers. * Hands on experience with code coverage tools like **SonarQube.** | |  |

**Technical Skills**

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| **Version Control Tools** | **Git, GitHub, Bitbucket.** |
| **BUILD Tools** | **Maven** |
| **Artifact Repositories** | **Nexus, jfrog** |
| **Continuous Integration Tools** | **Jenkins** |
| **Configuration mgnt tool** | **Ansible, Chef** |
| **Continuous Code Scanner** | **SonarQube Scanner** |
| **Cloud Services** | **AWS, GCP, Azure** |
| **Operating System** | **Windows, RedHat Linux, centos.** |
| **Scripting** | **Shell Script, Bash, Python,groovy** |
| **Monitoring Tools** | **Nagios, CloudWatch, Datadog** |
| **Containerization tools** | **Docker** |
| **Devops Tools** | **Git, Github, Bit bucket, Maven, Jenkins, Ansible, Sonarqube, Appache tomcat, Docker,kubrnatees** |

**Professional Experience:**

Working as Devops engineer in **Honey well** from January 2017 .

**Projects :-**

**#Project 1:**

**Project : SELECTIVE INSURENCE**

**Environment : Git, Github, Maven, Jenkins, AWS, Ansible, Linux, Tomcat.**

**Role : DevOps Engineer**

**Project Description**: Selective Insurance is a regional insurance holding company based in Branchville, New Jersey and provides property and casualty insurance products and insurance services to customers in the United States through its subsidiaries. Selective provides insurance, alternative risk management products and related services to businesses and individuals, and administers flood insurance policies for the National Flood Program. The Insurance Operations segment writes commercial lines and personal lines property and casualty insurance through independent insurance agents in 22 states in the Eastern and Midwestern regions of the United States.

**Responsibilities:**

* Configuring builds via build process using Maven, Jenkins.
* Design EC2 instance architecture to meet high availability application architecture and security parameters.
* Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Worked on AWS services such as Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IP's, auto-scaling configuration, and Cloud Formation and Ops Works.
* Configure continuous integration pipeline using DevOps strategies and DevOps tools.
* Configuring software to Linux machines.
* Designed and deployed AWS solutions using EC2, S3, RDS, and EBS Elastic Load Balancer.
* Automated software deployment using chef and provisioned Linux hosts.
* Supporting automotive builds to both windows and Linux machines.
* Setting up new projects/releases in Jenkins.
* Configured Ansible at Linux machines and schedule jobs to read every 30 minutes.
* Make sure software teams are delivering their products by following safe-agile methodologies.
* Monitor and manage Continuous Integration/Continuous Deployment, nightly and release builds using Maven, Jenkins.
* Resolving ad-hoc issues in day to day basis as per SLA’s.
* Provided daily technical support to all development teams throughout all phases of the software development lifecycle and identified & mitigated potential issues & obstacles prior to products being deployed onto live client systems.
* Used Jira as bug tracking/issue management tool.
* Wrote deployment scripts using shell.
* Designed a web page to monitor the builds and publish reports using HTML, XHTML and CSS.
* Installing and configuring application servers for deploying artifacts as per project requirements.
* Integrate Unit Testing, Code Coverage and Deployment tools with Jenkins.
* Deploying artifacts to environments Dev/Test/Stage/Production using HP release service tools.
* Extensive knowledge in troubleshooting builds, deployment, configuration problems in development, QA and production environments.

**Project :2**

Project : **Element Financial Corporation, USA**.

Environment : GIT, ANSIBLE, Maven, Jenkins, Red Hat Linux, Apache Tomcat.

Domain : Financial sector

Description: Element Fleet services provides Fleet leasing and Management services that meet the needs of the companies with all sizes of car and truck fleets. Due to the Acquisition of GE Capital’s US fleet management operations by Element Financial Corporation, there was necessary for large part of integration and build.

**Responsibilities:**

* Customize deployment process using Linux shell to automate the overall deployment process
* Managing and Administrating GIT tools includes creating Branches, Tagging and Access
* Coordinating with developers and testers for SVN and GIT Related issues
* Responsible for maintaining GIT and troubleshooting the daily issues.
* Involved in editing the existing MAVEN files in case of errors or changes in the project requirements.
* Worked on MAVEN to automate the build process and wrote shell script to automate deployment process.
* Involved in setup of CI tool Jenkins.
* Automate the build process using, GIT, and Maven, Jenkins, Ansible.
* Developing and maintaining build files by using MAVEN, Shell script.
* Responsible for creating the new projects & new build setup using Jenkins
* Responsible for the deployment Linux for Dev/ QA, staging, productions environment
* Worked as a system administrator for the build and deployments process on the enterprise server.
* Prepare build report monthly /yearly basis.
* Deploying the Ears, JAVA Wars and Jars appropriately and setting up the Apache Tomcat instances.
* Trouble shooting and resolved issues in DEV /Test Environment
* Participate in SCRUM meetings every day.

**Project 3:**

**#** PROJECT **: NOVARTIESHEALTHCARE**

**Client** : Novartis, USA

**Environment : Git, GitHub, Maven, Jenkins, Ansible, Docker, AWS, Linux, Shell and Python**

**Description:**

Novartis AG is a holding company. The Company specializes in the research, development, manufacturing and marketing of a range of healthcare products led by pharmaceuticals, including eye care products. Its portfolio includes medicines, eye care and generic pharmaceuticals. As a configuration Management Engineer, I worked in code quality checking and merging the codes from different teams and interacting with them and provisioning the required services on time.

**Responsibilities:**

* Created best practices for branching & Merging Strategy to maintain the source code in the GIT version Control Systems.
* Responsible for creating branches, merging and resolving merging conflicts.
* Implementation/setup continuous project build and deployment delivery process using Subversion, Git, Jenkins, Tomcat.
* Administrating Jenkins, plugin installation, master/slave or distributed build setup.
* Configuration of nodes/slaves for Jenkins to optimize and smooth running of build jobs.
* Setup and monitor daily continuous/production builds.
* Administered the automatic build process to ensure correct build execution, and resolved the build issues.
* Installed, configured and integrated Maven with Jenkins.
* Create users, groups and manage access controls in Jenkins.
* Automated build & deployment and CI process for many projects from scratch. Wrote build files and created jobs in Jenkins.
* Configuration of various plugins for Jenkins for automation of the workflow.
* Configured JIRA and integrated it with Jenkins.
* Creating Ansible playbooks, Uploading to remote repository.
* Configuration of Ansible and establishment of ssh connection between Ansible control server and nodes.
* Was involved in creating Docker Containers, images & taking back-up of images in Docker-Hub.
* Amazon Web Services (AWS) and with the configuration of various Amazon products (Amazon EC2, Auto Scaling).

**Declaration :**

* I hereby declare that the above-furnished details are authentic to the best of my knowledge.

Thyagarajan