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DevOps Engineer
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Professional Summary:

- **3+** years of experience of **Build/Release/Software Configuration** and **DevOps** methodologies and setting up and maintaining **CI &CD** pipelines and delivering releases for multiple Applications running on both Linux based distributed Infrastructure.
- Experienced in working on **DevOps** operations process and tools.
- Extensively worked with Version Control Systems (**VCS**) like **GIT**.
- Expertise in supporting multiple projects during builds and release process.
- Hands on experience with version control tool like **SVN, GIT**.
- Experience on Subversion, **GIT**- Created branches, tagging, setting **SVN** externals and providing access permissions to the developers over branches.
- Experienced on Branching, **Merging, and Tagging** concepts in version control tool like **Git, GitHub**
- Working Experience on **Git, GitHub, Jenkins**.
- Created and maintained **GitHub repositories, branches** and **tags** for multiple projects.
- Maven scripts with Jenkins based on type of projects.
- Automating the Build process using **Git and Maven**.
- Strong experience on build tool and packaging the source code using **Maven**.
- Good working experience on Configuring **Linux and Windows** Operating Systems.
- Used **Shell scripting** in automating many modules.
- Install the **Nexus Server**.
- Create the **Repositories (Maven2 -hosted, proxy and group, Docker)**.
- Configure Nexus Repository Details in **pom.xml** and credentials in **settings.xml**.
- Creating Users / Configure **LDAP** Server.
- Create the **Quality Profiles** as per Project requirement.
- Create the **Quality Gates** as per Project requirement.
- Hands on Experience with **Build Tool Maven** to generate project Artifacts.
- Hands on experience in automating build process using **Jenkins ci** Tool.
- Good Experience in Continuous integration using the Pipeline View.
- Strong experience on creating the **Jenkins scripting and declarative pipeline**.
- Created the multiple pipeline scripts to make **CI/CD** process.
- Configured Git with Jenkins and schedule jobs using **poll SCM** option.
- In-depth understanding of the principles and best practices of **Software Configuration Management (SCM)** processes, which include compiling, packaging, deploying and application configurations.
- Expertise in using build tools like **MAVEN** for the building of deployable artifacts such as **Jar & War & ear** from source code.
- Experience in integrating unit tests and code quality analysis tools like **SonarQube**.
- Extensively worked with automation tools like **Jenkins** to implement the end-to-end automation.
- **Administration** and creation of Individual **Jenkins** jobs, including automatic generation, reporting and alerting of build failures and build status indicators.
- Experience in using **Nexus** Repository Manager for Maven builds.
- Experience is using **Tomcat** application servers for deployments.
- Very good knowledge on Deployment process using the **Ansible**.
- Application Deployments & Environment configuration using **Ansible**.
- Participate in building the DevOps Platform using configuration management tools like **Ansible**.
- Used tools like **Docker, Ansible** for deployment automation.
- Experience with **Linux/Unix environments** and **scripting** for Build &Release Automation.
- Experience in different services of AWS like **EC2, etc**.

- Good Experience in **Shell Scripting**.
- Build, release and configuration management of production systems.
- Good experience in deploying the files in **Tomcat Server**.
- Good knowledge in checking the code quality using the **SonarQube**.
- Troubleshoot the Application related issues in production & non - production environments.
- Design, integration, deployment and Application servers – Tomcat Application Server across **Windows** and **Linux** platforms.
- Good knowledge on methodologies like **Agile and waterfall model** for project planning and execution.
- Experience in end to end building and deploying and configuring process and implementation from local **QA** environment to **UAT** and Production.
- Basic knowledge with system monitoring tools (**ex. NewRelic**).
- Having Basic knowledge in **Amazon EC2** technologies **EC2, S3, EBS**, Auto scaling, monitoring and elastic load balancing.
- Taking the backup of S3 and attaching the **EBS** to instance.
- Having good knowledge in **AWS** services i.e., **IAM**, Autoscaling, **ELB**, **CloudWatch**.
- Working experience on operating system like **Windows, Linux** etc.
- Very Basic knowledge in access management using the Identity Access Management in **AWS**.
- Managing SaaS platform hosted on AWS running with 99.99% uptime using Auto scaling.
- Good knowledge in managing the load using the **Elastic Load Balancers in AWS**.
- Participate in building the DevOps Platform using configuration management tools like Ansible.
- Used tools like Docker, **Ansible** for deployment automation.
- Good Knowledge using the backup repository Nexus.
- Experienced in docker, **docker swarm and k8s**.
- Good in writing docker files, Docker compose files and **k8s** manifest files.
- Automating deployment in **k8s cluster using docker and Jenkins**.
- Docker installation and image setup.
- Creating custom image from a **Docker File**.
- Ability to accept challenge, learn and grown in good profession manner.
- Using Dockers Building a web Farm for Development.
- Ability to accept challenge, learn and grown in good profession manner.
- Successful in communicating with people at all levels and with other departments as needed to best Serve the customer.

Work Experience:

- Worked as DevOps engineer in **Tech Mahindra** from Oct 2019 to till date.

Educational Summary:

- Graduation (B.com) from **Yogi Vemana University**.

Technical Skills:

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|---------------------------------|--|
| • Operating Systems | : Linux, UNIX & Windows. |
| • Version Control System | : GIT. |
| • Version Control Tool | : GitHub. |
| • Build Management Tool | : Maven. |
| • Code Quality Management Tool | : SonarQube. |
| • Repository Manager | : Nexus. |
| • Scripting Languages | : Shell Script. |
| • Continuous Integration Tool | : Jenkins. |
| • Configuration Management Tool | : Ansible. |
| • Application & Web Servers | : Apache Tomcat, Apache HTTP. |
| • Cloud Services (AWS) | : EC2, S3, ELB, EFS, IAM, EBS, AMI, VPC. |
| • Cloud infrastructure | : Terraform |
| • Containerization Tool | : Docker |
| • Orchestration | : Kubernetes(k8s). |

Project#2:

- **Project Name** : **Expense and Reimbursement Database**
- **Client** : Emerson, US
- **Duration** : Nov 2021 to still now
- **Technology** : Ubuntu Linux, Java, Git, Jenkins, Ansible and Maven
- **Designation** : DevOps Engineer

Description:

- **TER** database is a business significant application for Electrolux. All the information pertaining to the Business travel and expenses is stored in this Client **DB**. This database is used to store different types of information pertaining to the business clients like General Information, cost center Information, etc.

Roles and Responsibilities:

- Installing/Configuring/Managing **Jenkins CI** Automation.
- Jenkins is used as a continuous integration tool for automation of daily process.
- Created Ansible Automation tools and builds, and do an overall process improvement to any manual processes.
- Installed/Configured and Managed Nexus Repository Manager and all the Repositories.
- Creating **CI/CD** pipelines by integrating **Git, GitHub, ant, maven, Jenkins, Ansible, and AWS** (provisioning).
- Managed Maven project dependencies by creating parent-child relationships between projects.
- Building and deploying scripts using Maven as build tool in Jenkins to move from one environment to other environments.
- Worked in editing and managing the existing Maven files in case of errors or changes in the project.
- Efficient in Maven for the build process and Jenkins as continuous integration build tool and worked on build failures on trouble shooting.

Project#1:

- **Project Name** : **Sprint Telecom Services.**
- **Client** : Comergence, US
- **Duration** : Since Nov 2019– Sep 2021.
- **Technology** : Java, Git, Jenkins, Ubuntu Linux, Maven, Docker, K8s.
- **Application Server** : Apache Tomcat.
- **Designation** : DevOps Engineer.

Description:

- Sprint Corporation, commonly referred to as Sprint, is an American tele communications holding company that provides wireless services and is an internet service provider. It is the fourth largest mobile network operator in the United States, and serves 59.7 million customers, as of April 2017.[8] The company also offers wireless voice, messaging, and broadband services through its various subsidiaries under the Boost Mobile, Virgin Mobile, and Assurance Wireless brands, and wholesale access to its wireless networks to mobile virtual network operators.

Roles & Responsibility:

- Creating automated build and release environment using Continuous Integration tools Jenkins.
- **Trouble shoot** the Build and Deploy issues
- Written and maintain **maven pom.xml** file to create artifacts.
- Maintain baseline code in repository and responsible for branching, merging and tagging.
- Part of Configuration Management to Provide access Permissions to developers for check in, checkout.
- Prepared Build Report for each and every build.
- Supported application development on UNIX and Windows server.
- Responsible for Pre and Post Production Steps.
- Deploying applications in all environments like **SIT, UAT, and PROD.**
- Installation and Configuration of Continuous Integration Tools Jenkins.
- Configured **CI**, Nightly and Release builds/jobs in **Jenkins.**
- Performed code merges on a regular frequency to integrate the source code from various branches.

Declaration:

I hereby declare that the above information furnished by me is true and correct to the best of my knowledge.

S. RAMESH