**Name : Mokka Ramesh**

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**Objective:**

Software Engineer with 3.5+ years of experience in DevOps, Build, Release, Software Configuration Management, and deployment.

Seeking a challenging position where my skills and knowledge can be best utilized in the successful completion of the tasks assigned. I can be the active part of a team that works dynamically towards the organization.

**Professional Summary:**

* Total **3.5+** years of experience in IT Industry as a **DevOps Engineer** with exposure to Software Configuration Management, Build and Release Management, Continuous Integration and Deployment.
* Experience in DevOps Tools such as Version Control - Git, Build Tool - Maven, Web Application Server- TomCat, Artifactory Repository – Nexus, Continuous Integration Tool - Jenkins, Containerization Tool – **Docker,** Container Orchestration Tool **- Kubernetes (K8S)** along with Shell scripting and Linux.
* Good working experience on **Linux** and **Windows** Operating Systems.
* Good Experience in Writing **Shell Scripts** to automate the several activities.
* Expertise in supporting multiple projects during builds and release process.
* Experience on **GitHub, Gitlab** - Creating branches, tagging, setting externals and providing access permissions to the developers over branches.
* Working knowledge of Branching & Merging code lines in Git and resolved all the Conflicts raised during Merges.
* Hands on Experience with **Maven** **Build Tool** to generate project **Build** **Artifacts** such as **war** and **ear** files from source code.
* Creating new Build jobs, Plugins installation and management, setting up **Master/Slaves** using Jenkins.
* Experience in **Jenkins** to schedule a job as per the requirement, report monitoring and notification functionality to report success or failure.
* Good experience in deploying the build artifacts in **Tomcat** **Server**.
* Strong experience inContainerization Tool **Docker** - Creating custom images from a **Dockerfile**, pushing it onto Private Artifactory Repositories such as Nexus and ECR.
* Strong experience inContainerization Orchestration Tool **Kubernetes.**
* Creating pods by writing **Kubernetes** manifest files like **daemon sets**, **replica sets,** **deployments.**
* Having good knowledge in Kubernetes Cluster Setup.
* Having good knowledge in **Amazon Web Services** (**AWS**), Creating **EC2** Instances and configuring all necessary services like **EBS, ELB, ECR, ECS** and **VPC**.
* Having good Knowledge on **Ansible** for Configuration Management.
* Experience in end to end building and Deploying and configuring process and implementation from local **QA** environment to **UAT** and **Production**.
* Used **AWS** services like **EC2, EBS, ELB** for building infrastructure.
* Participates in the design and implementation phases for new and existing products, with a focus on **AWS** technical knowledge for successful execution of the requirements.
* Actively monitor and administer the applications and hosting environment to increase efficiency, improve reliability, and minimize downtimes.
* **Measurement**, **optimization** and **tuning** of system performance and ensuring that systems will run reliably and are highly available in a **24/7** production environment.
* Created an end-to end CI/CD pipeline with Jenkins, Docker, Kubernetes.

**Technical Skills:**

| **Operating Systems** | Linux, windows |
| --- | --- |
| **Scripting Language** | Shell Scripting (Bash), YAML,  Groovy |
| **VCS Tool’s** | Git, GitHub, Bitbucket |
| **Build Tool’s** | Maven, Gradle |
| **Code Quality** | SonarQube |
| **Ticketing Tool’s** | Jira |
| **Application Servers & Web Servers** | Apache Tomcat & Apache |
|  |  |
| **CI/CD Tools** | Jenkins |
| **Artifactory** | Nexus |
| **Configuration Tool’s** | Ansible |
| **Container tool & Orchestration** | Docker, Docker swarm, Kubernetes |
| **Monitoring & managemen**ts | Prometheus & grafana,  Aws cloud watch |
| **Cloud Platform** | AWS |

**Academic summary:**

Bachelor in Electrical and Electronics Engineering from JNTU Hyderabad

**Work summary:**

 Working as **Software Engineer** for **MindTree Ltd.**

**Duration** :   Jan 2019 to till date

**Role** :  DevOps Engineer

**Roles and Responsibilities:**

* Setting up the new Build environment for various applications in **Windows**/**Linux** environment.
* Understand client requirements, propose solutions and ensure delivery.
* Experience of designing and developing comprehensive Cloud Computing solutions on  the **AWS** platform.
* Experience with EC2 Auto Scaling, EBS, S3, ELB, RDS.
* Implementing AWS Infrastructure services (IAAS) like **EC2, VPC, ELB, EBS, S3, RDS.**
* Setting  up  new  server  (EC2)  instances/services  in  AWS,  configuring  security  groups,  and setting up **Elastic Is.**
* Monitoring health of Amazon EC2 instances and other AWS services
* Worked in close collaboration with the Development Teams, Product Management, Enterprise Architects, Operations, Executives and Finance teams to achieve the optimum performance lowcost solution
* Interfaced with various levels of executives, management, and technical staff of customers.
* Managed to organizational standards by maintaining the source code in **Git** for various applications.
* Creating and maintaining the development and release branches on **Git**.
* Using **Maven** as a build tool, I could automate the process of building artifacts.
* Configured **Jenkins** Continuous Integration tool including installing setting the jobs/plans and setting up the tool for deployment.
* Implementing the **CI/CD** pipeline for code deployment on every commit by the developer.
* Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** configuration to implement multiple parallel builds through a build.
* **Measurement**, **optimization** and **tuning** of system performance and ensuring that systems will run reliably and are highly available in a **24/7** production environment.
* Used **Docker** for Containerizing the applications by writing Docker files.
* Created an end-to end CI/CD pipeline with **Jenkins, Docker, Kubernetes.**
* Wrote **Ansible** Playbooks to automate tasks and to configure target servers.
* Manage a group of highly motivated and highly skilled operations engineers who are responsible for Site Reliability and Production Deployment.

**M RAMESH**