**Mani Kumar**

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**DevOps Engineer**

**PROFESSIONAL SUMMARY**

Around **3+** years of Experience as **DevOps Engineer**, **Build and Release Engineer** in several phases of the Software Development Life Cycle where my main area of expertise & specialized skills is in Build & Release Engineering in **Linux environment** that includes **Build, Automation and Continuous Integration and Continuous Delivery Release Management.**

* Experience in automating all aspects of infrastructure, application and configuration management using **Ansible, AWS** (Amazon Web Services).
* Experience on AWS cloud platform and its features including EC2, EBS, VPC, CloudWatch and Autoscaling
* DEV, TEST & UAT Servers using automation build & deployment tools **i.e. Ansible, Jenkins, Nexus, Jira, git, Bitbucket, Unix Shell Scripting** and **Maven.**
* Good knowledge on automating builds workflows using Maven, Shell & **CI** tools.
* Involved in writing **Docker files to build the micro-service applications**
* Involved in functional usage and deployment of applications in **Apache Tomcat Server**.
* Expertise in using **Jenkins** in AWS to automate build, testing and integration of source code.
* Used **Ansible** as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Deployed and Monitored Scalable Infrastructure on AWS using Configuration Management **Ansible**.
* Configuration Management and source code repository management using tools like **GIT, Subversion (SVN).**
* Adept in **complete SDLC** from requirement analysis to system study, designing, coding, testing, de-bugging, documentation and implementation.
* Maintained **GIT** repositories for DevOps environment automation code and configuration.

**TECHNICAL SKILLS**:

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| --- | --- |
| **Operating Systems** | RedHat Linux and Windows |
| **Cloud Platforms** | AWS |
| **Build Tools** | Maven and Ant  |
| **Monitoring Tool** | Nagios and CloudWatch |
| **Web & Application Servers**  | Apache Tomcat and Apache HTTP |
| **Scripting Languages** | Shell |
| **Configuration Management Tools** | Ansible |
| **Version Control Tools** | Git, GitHub, SVN |
| **Continuous Integration Tools** | Jenkins |
| **Container Orchestration**  | Kubernetes, Docker |
| **Artifactory Management**  | Jfrog |

**PROFESSIONAL EXPERIENCE**

* **Working as DevOps Engineer at Tieto India Pvt Ltd from Sep 2019 –Till Date**
* **Worked as DevOps Engineer at Arkin Systems from March 2018 –Aug 2019**

**EDUCATIONAL QUALIFICATIONS**

* B.Tech (Aero space) from Hindustan Aviation Academy affiliated to IGNOU in January 2016.
* SRI CHAITANYA junior collage affiliated to Bord of Intermediate in 2009.
* SSC from Kennedy High School affiliated to board of secondary Education in 2007.

**Client:** **Enterprise Car Rental, St. Louis**

**Title: DevOps Engineer**

**Responsibilities:**

* Responsible for design and maintenance of the **GIT Repositories** and the access control strategies.
* Implemented & Maintained the Branching and Build/Release strategies utilizing GIT source code management.
* Used **Maven** as a build tools on java projects for the development of build Artifacts on the source code
* Created **CI/CD pipeline** for runtime environment for the **CI/CD** systems to **build, test and deploy.**
* For **CI/CD pipeline Jenkins** is used and wrote scripts for configuring the jobs.
* Created **templates, inventories, credentials in ansible** to communicate the servers of different environments and deploy to the target directories.
* Wrote **Ansible playbooks** in YAML. Installing, setting up & Troubleshooting **Ansible**, created and automated platform environment setup.
* Built end to end **CI/CD Pipelines in Jenkins** to retrieve code, compile applications, perform tests and push build artifacts to **Nexus Artifactory**.
* Scheduled the **Linux Cron jobs** and **Jenkins jobs for build** automation.
* Working on Deployment procedures using middleware like **Web sphere**, creating **deploy scripts** and setting for the **Production Release**.
* Created **Docker containers to deploy** and run various web applications
* Implemented & maintained **branching & build/release strategies** utilizing **SVN/GIT** and given project support
* Create, Manage and Configure **EC2** instances, **AMIs** and **Elastic Bean template** and Configured **Elastic Load Balancers** with EC2 **auto scaling groups**.
* Configured an AWS **Virtual Private Cloud (VPC)** and Data Base **subnet group.**
* Deployed the java applications into **Apache Tomcat Application Servers.**
* Supported and developed tools for **integration, Automated Testing and Release Management.**
* Responsible for **User Management, Administration, Group Management, Slave Management,** new job setup in Jenkins.

**Client: The Hertz corporation**

**Title: DevOps Engineer**

**Responsibilities:**

* Implemented & Maintained the **Branching and Build/Release strategies** utilizing **GIT** source code management.
* Installed and Configured **Jenkins** for Automating Deployment and automationsolution.
* Used **Jenkins** for **Automating Builds and deployed builds**.
* Create, Manage and Configure **EC2** instances, **AMIs** and **Elastic Bean template**
* Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to **Nexus Artifactory**
* Requirement analysis for new enhancements of build process.
* Responsible for design and maintenance of the **Git Repositories**, views and the access control strategies.
* Deployed the java applications into **Apache Tomcat Application Servers**.
* **Development, Quality Assurance and Management teams** to ensure cross communication and confirmed approval of all production changes.
* Started the automation process by setting up **Continuous Integration** (**CI**) environment using **Jenkins**, **Nexus**.
* **Build and Deployed** Java/J2EE to a web application server in an **Agile continuous integration** environment and automated the process.
* Developed Perl and **shell scripts** for automation of the build and release process.
* Involved in editing the existing **MAVEN** files in case of errors or changes in the project requirements.
* Utilized **WAR and JAR files** for **deployment** of enterprise apps.
* Performed integrating, **JUnit and code quality Tests** as a part of build process.
* Perform **periodic system audits** on all environments to ensure that only controlled versions of software reside all environments.
* Developed **build and deployment** processes for **Pre-production environments**.
* Responsible for designing and deploying **SCM** processes and procedures.
* Supported and developed tools for **integration, automation and release management.**
* Resolved **merging** issues and **re-integrating branches** by conducting meetings with Development team leads.
* Developed, maintained and distributed **release** notes for each **scheduled release.**

I, hereby declare that all the details furnished above are true to the best of my knowledge*.*

**A.Sai Mani kumar.**