**Srinivasa Rao. Athota**

**AWS DEVOPS ENGINEER**

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**PROFILE SUMMARY**

* Experienced professional with around 3+ years of IT experience as DevOps engineer includes Linux, implemented Continuous integration and Continuous Deployment / Continuous Delivery Automation.
* Possess good understanding of the principles and best practices of Software Configuration Management (SCM) in agile scrum and waterfall.
* Worked on Container management using Dockers.
* Working knowledge of version controlling systems like Git, SVN
* Well-versed in creating branches and merging branches based on developer’s requirement.
* Knowledge on ansible to provision the infrastructure on the cloud AWS services.
* I have worked on EC2, VPC, S3**,** Route53, SNS, ELB, ASG & Cloud Formation**.**
* Managed servers on the Amazon Web Services (AWS) platform instances using Ansible configuration management.
* Implementing continuous delivery and managing configuration of Web App and Deploy to AWS cloud server through chef.
* Knowledge on DevOps with build tool Maven, configuration management tools like Ansible, CI/CD tools like Jenkins, Containerization tools like Docker, Docker-Swarm, ECS, and source code management tools like GitHub, Bit bucket, Code Commit, Orchestration tools like Terraform.
* Involved in migration of servers from on-premises to AWS environment.
* Involved in environment setup on Development, QA environments and managed the automated deployments using scripts.
* Experience in monitoring the environments and troubleshooting the issues on day to day number of application from the orchestration engine Jenkins.
* Worked on Jenkins pipeline as a code model of setup and used groovy scripts to automate the pipeline setup.
* Notable Experience in administering and supporting on Windows and Linux environments.
* Hands experience in cloud AWS and exposure of S3, **EC2, VPC** and Dynamo DB.
* Knowledge in working on public & private registries for storing docker images.
* Worked on Infrastructure as codes automate process on AWS.
* Source control management on GIT. Managing Branching, Merging, Labeling/Tagging and Integration with CI tools.
* Integrated ansible with docker & Jenkins for remote automation of DevOps
* Good interaction with developers, managers, and team members to coordinated job tasks and strong commitment to work.
* Expertise in writing the MAVEN script for the automation of the builds.
* Good knowledge in implementing multi-branch pipeline for various sprint iterations.
* Managed the build dependency issues, connectivity issues, authentication setup for different tools and resolving the access issues, mentoring the teams for best practice way of using the DevOps tools.

**EDUCATION :**

* **Bachelor of Science** in **computers** from **P.B.SIDDHARTHA COLLEGE OF ARTS & SCIENCE**.

**PROFESSIONALE:**

* Working as **AWS DEVOPS ENGINEER** in **Udeels Technologies Pvt.Ltd** from **APRIL 2019** to Till Date.

**TECHNICAL SKILLS**

* Operating systems : Linux and Windows.
* Scripting Languages : Shell Scripting, Linux, Unix
* Configuration Management tool : Ansible
* Cloud : AWS
* Application Servers : Apache Tomcat
* CI Tools : Jenkins
* SCM Tools : GIT (GITHUB)
* Build Tools : Maven
* Development Methodologies : Agile
* Container technology : Docker

**EXPERIENCE:**

**CLIENT: MHS (Maharashtra high school board)**

**PROJECT 2: MCB (my class board)**

The MCB is a central tool built with a school/college infrastructure in mind to have one stop solution for all their needs including but not limited to Student Admissions, Finance, Transport, HR & Payroll for their various employees, Library Services and various other aspects of the institution. Streamline the administrative tasks, manage your entire admission process from online enquiries to enrollments, ensure safety and security of students with the GPS bus tracking system, manage staff recruitments and easy payroll generation, catalog various books in the library, track student and employee attendance using our school administration software application.

The next generation Student Information System software that works across the entire student life cycle management and provides real-time access to student information. A powerful web-based student information system that can be fully customized in tune to the institution's specific requirements.

**RESPONSIBILITIES:**

* Created and managing Continuous integration, Continuous deployment and Continuous Delivery pipeline using Jenkins declarative pipeline and Build pipeline plugins.
* Working with agile teams to manage the DevOps automation process setup for multiple application releases moving from Dev to Prod.
* Worked with Development managers, test teams, Scrum master, subject matter experts and our DevOps managers to help the several activities including code deployments, getting approvals, branch cutting for release activities, merging and conflicts resolutions and Environment setup activities.
* Hold responsibility for any issues arise during release deployment and take accountability to get the issues fixed by involving different teams.
* Discuss the impact of releases to stake holders as required and escalating the major issue to change control board.
* Used AWS modules to provision the environments on cloud.
* Created the docker containers by writing the docker files and integrated with Jenkins.
* Experienced with AWS VPC setup, Subnet Configurations, Security management, Load balancing setup, dynamic auto scaling for production environments.
* Managed the data management lifecycle on AWS S**3**different classes and life cycle rules.
* Hands on experience in monitoring the servers and different services on AWS using cloud watch.
* Worked on AWS RDS to manage relational Databases Mysql.
* Also, knowledge on using AWS Cloud front, Route53, IAM custom policy generation, Cloud Formation.
* Monitoring the Jenkins builds environments and troubleshooting the issues in different stages of build and deployment process.
* Create and Maintain GIT Branching, Merging and Tagging across each production releases and perform builds using Jenkins Continuous Integration using maven Build scripts.
* Build and deploy of Customized EARs and smoke testing the application and troubleshooting the build and deployment issues for different applications.
* Designed and developed the deployment automation framework converting from GUI based deployment to script-based deployment which reduced the deployment time.
* Involved in all the phases of the SDLC from Requirement gathering, Design, Build, Test, Deploy and setting and monitoring the environments.
* Implemented ant build scripts from scratch to build java / j2ee application and deploying to multiple tomcat instances.
* Experienced in Performance tuning and Enhancements in Web sphere and Apache Tomcat.
* Administration experience Apache tomcat and IBM Web sphere ND.
* Configured web sphere horizontal cluster and vertical cluster and deployed application on cluster.
* Responsible for new server build requests, resolving disk space cleaning and subversion access issues and database setup activities.
* Develop and enhance the automated configuration management system.
* Experience in windows and Linux server monitoring and troubleshooting the issues

**CLIENT: United Healthcare Organization**

**PROJECT** 1: **Healthcare Prediction**

**DESCRIPTION:**

The Health Prediction system is an end user support and online consultation project. Here we propose a system that allows users to get instant guidance on their health issues through an intelligent health care system online. The system is fed with various symptoms and the disease/illness associated with those systems. The system allows user to share their symptoms and issues. It then processes users symptoms to check for various illnesses that could be associated with it. Here we use some intelligent data mining techniques to guess the most accurate illness that could be associated with patient’s symptoms.

**RESPONSIBILITIES:**

* Worked on CI setup using Jenkins, Managed builds Using automated build tool Ant for Java stack and used Nat for windows Applications.
* Created and Configured Jenkins jobs, security Jenkins and managed the deployments from Jenkins to different app servers.
* Complete tracking of release and verification on different environments.
* Raise change request and perform release analysis and dependencies.
* Maintained build related scripts developed in shell for Maven builds. Created and modified build configuration files.
* Performing stream management after the production release.
* Analyze and resolve conflicts related to merging of source control SVN.
* Implemented a Parallel release branching process in Subversion for agile releases.
* Implemented ant build scripts from scratch to build java / j2ee application and deploying to multiple tomcat instances.
* Administer the tomcat on windows and Linux environments.
* Worked closely with developers to pinpoint and provide early warnings of common build failures.
* Build Results are managed in Jenkins and deployed applications using post build activity.
* Managed the Release Communication and Co-ordination Process.
* Resolving/troubleshoot the build, deployment and environments issues.
* Good experience working with different teams (Dev, QA, Server teams, DBA, Infrastructure teams) to provide end-to- solutions for continuous delivery/integration of new and existing projects.
* Maintain Rally for project management regarding the timelines of Sprint.
* Own full lifecycle of build system - from analysis, development, implementation and support of builds, unit testing and deployments.
* Maintenance and enhancement of the build environment. Including maintaining and enhancing build scripts.