**Teja Karuturi**

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**Professional Summary:**

* Overall 6 years of substantial IT experience with expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation, Amazon Web Services.
* Experience in Source Code Management and Version Control tools like SVN and GIT on Windows and Linux Platforms.
* Profusely worked on Version control tools like Subversion, GIT to track changes made by different people in source code.
* Experienced in Branching, Merging, Tagging using GIT.
* Extensive experience using Maven as Build Packages for Jar, war files from source Code.
* Used ANT and MAVEN as build tools on java projects for the development of build artifacts on the source code.
* Experience in build tools like Maven and Ant to write Pom.xml and Build.xml respectively.
* Experience in using Nexus Repository for Maven and Ant builds.
* Solid expertise in implementing the CI/CD for Java applications using different tools like Jenkins and Puppet both on AWS and On-premises with the help of uDeploy.
* Strong Knowledge in creating Jenkins Continuous Integration and for End to End automation for build and deployments.
* Experience in Troubleshooting the build issues during the Jenkins build process.
* Configured Jenkins as a CI engine to build and promote applications to QA, UAT, Staging & PROD to Linux environments.
* Good Experience in using Puppet and Chef to automate Configuration management and to manage Web Applications, Config Files, Data Base, Commands, Packages.
* Proficient in writing SQL queries for improved performance and Query Optimization.
* Knowledge in using configuration management tools like Chef, Puppet.
* Experience in using up JIRA as bug tracking system and configured various workflows, customizations, and plugins for the JIRA bug tracker.
* Setting up Auto scaling of the instance group using AWS command line tools and AWS cloud environment for Dev/QA environments.
* Experience in AmazonEC2 in setting up instances, worked closely with infrastructure teams to troubleshoot complex issues and setting up security groups.
* Experience on creating whole infrastructure VPC, Subnets, EC2, RDS, uDeploy, Route53, Security groups, internet gateway, and MySQL Server on AWS using Cloud formation templates.
* Strong knowledge of Software Development Life Cycle (SDLC) methodologies such as Agile, Scrum Models.
* Worked with Docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud and using uDeploy.
* Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases.
* Experience in using virtualization tools like Virtual Box and Vmware.
* Proficient in setting up Baselines, Branching, Merging and Automation Processes using Shell, Perl, Ruby and Bash Scripts.
* Excellent communicative, interpersonal, initiative, analysis and leadership skills with the ability to work efficiently in both individual and teamwork environments.
* Strong attitude towards enhancing and learning new technologies.
* Experience supporting 24x7 production computing environments.

**Technical Skills:**

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| Operating Systems | Linux OS, Windows OS |
| Version Control Tools | GIT, SVN, GitHub, Bitbucket, Source Tree |
| Bug Tracking Tools | JIRA |
| Build Tools | Maven and ANT |
| CI/CD Tools | Jenkins |
| CM Tools | Puppet, Chef |
| Cloud Infrastructure | AWS |
| Web Technologies | JavaScript, HTML, CSS |
| Monitoring Tools | CloudWatch, Nagios |

**Professional Experience:**

**AWS/DevOps Engineer**

**Fair Health, NY Sep 2016 – Till Date**

**Responsibilities**: -

* Had an extensive role in On-Prem application migrations to the cloud-lift and shift to AWS infrastructure.
* Created and Maintained GIT Repositories also analyzing and resolved conflicts relating to merging of source code to GIT.
* Coordinated with developers in establishing and applying appropriate naming conventions using GIT source control.
* Build Scripts using Maven build tools for converting .java files and building up Jar, War & Ear files for deployment to QA and UAT.
* Developed build and deployment scripts using Maven as build tools in Jenkins to move from one environment to other environments.
* Worked as a part of developer team and deliver maven projects to deploy on tomcat.
* Worked with Continuous Integration and Continuous Delivery using tools such as Jenkins and uDeploy.
* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, GIT with Dev/Test/Prod Branching Model for weekly releases.
* Experience in Continuous integration tools like Jenkins. Installing, configuring and administering Jenkins in AWS using uDeploy.
* Experience in deploying services including Jenkins and Nexus on Docker using Terraform.
* Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
* Experience in administration & configuration management of Puppet on Linux and Puppet enterprise management from the console & Creating and modifying the manifest as per the requirement on Puppet.
* Designed and implemented fully automated server build management, monitoring, and deployment By Using Technologies like Puppet.
* Working with Puppet as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manage changes.
* Responsible for automating and improving infrastructure, using Puppet for configuration.
* Deployed and monitored scalable infrastructure on Amazon web services (AWS) & configuration management using Puppet.
* Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases of Helm packages.
* Reviewed reports from QA team and other reports from automated tools like SonarQube.
* Created manifests and deploying using Puppet to completely provision and manage AWS EC2 instances, volumes, DNS, and S3 and troubleshooting Python code for Lambda service.
* Automated the cloud deployments using Puppet and AWS Cloud Formation Templates.
* Automated infrastructure in AWS using Amazon web services and Configuring EC2 Instances, VPC, Route 53, uDeploy, ELB, Subnets and MySQL Server.
* Setup of all the environments for API Gateway - network topology.
* Worked with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Used TestNG framework for creating Selenium scripts with Data Driven Frame Work.
* Designing the SQL queries and creating indexes for the better performance plans.
* Worked with the user group for requirement gathering throughout the planning and implementation, analyzing the information, documenting the functional and non-functional requirements.

**Environment:** AWS, Git, Maven, Jenkins, Linux, Puppet, Nexus, Tomcat, SQL, Akana API.

**AWS/DevOps Engineer**

**Wells Fargo, NJ May 2015 – Aug 2016**

**Responsibilities**:

* Launched EC2 instances using Amazon Web Services (Linux/Ubuntu/RHEL) for development, test and production environments.
* Worked on Version control tools like Bitbucket Repositories, views and access control strategies.
* Worked on setting up new repos, development, facilitating the releases, and managing the permissions for various GIT branches.
* Administrated all aspects of GIT and troubleshoot with merge conflicts.
* Responsible for Managing the Maven Repository using Nexus tool and used the same to share the snapshots and releases of internal projects.
* Integrated GIT as SCM in Jenkins to automate the code checkout process and trigger builds.
* Responsible for User Management and End-to-End automation of Build and Deployment process using Jenkins.
* Strong knowledge / experience in creating Jenkins CI pipelines, and troubleshooting issues along the CI/CD Pipelines and uDeploy.
* Virtualized the servers using Docker for the test environments and dev-environments needs, also configuration automation using Docker containers.
* Experience in creating Docker Containers leveraging existing Linux Containers and AMI's in addition to creating Docker Containers from scratch.
* Provided installation & maintenance ofPuppet infrastructure and developed Puppet Modules & Manifests for configuration management.
* Used Puppet to deploy and manage Java applications across Linux servers.
* Worked on the creation of Puppet manifest files to install tomcat instances and to manage Configuration files for multiple applications.
* Maintained the user accounts (IAM) in AWS cloud.
* Created Python Scripts to totally automate AWS services which includes web servers, database, EC2, and Database security groups.
* Plan, design, review and maintain Python based applications and solution.
* Using Puppet, deployed and configured Elastic search, Log stash and Kibana(ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and Cloud Watch.
* Worked on the migration from physical servers to cloud (AWS), and used Puppet to automate the infrastructure in AWS by creating EC2, S3, RDS, uDeploy, VPC, Route 53 and MySQL.

**Environment:** Bitbucket, Git, Maven, Nexus, Jenkins, Puppet, Tomcat, SQL, Akana API.

**DevOps Engineer**

**CVS Health, TX Oct 2014 – Mar 2015**

**Responsibilities**:

* As a DevOps Engineer extensively involved in release management, Environment Management, Continuous Integration and Continuous Development cycles.
* Managed Version Control tools like GIT to help developers and programmers to commit the codes to repositories.
* Implemented a GIT mirror for SVN repository, which enables users to use both GIT and SVN.
* Used Maven as build tool on Java projects for the development of build artifacts on the source code.
* Implemented continuous Integration using Jenkins and wrote Jenkins Installation script and Jenkins Pipeline for multiple projects.
* Integrated GIT into Jenkins to automate the code check-out process.
* Used Jenkins Pipeline with Jenkins file for many CI/CD Deployments. Troubleshoot the build issue during the Jenkins build process.
* Worked on Puppet to organize and execute configuration plans on servers.
* Used Puppet for creating scripts, deployment for servers, and managing changes through Puppet master server on its clients.
* Used Puppet to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages.
* Monitored and maintained a log for system status and health using Linux commands and Nexus system.
* Worked with a complex environment on Red Hat Linux and Windows Servers while ensuring that these systems adhere to organizational standards and policies.

**Environment:** SVN, Maven, Jenkins, Nexus, Puppet, Tomcat, Linux, SQL.

**Build and Release Engineer**

**Comcast, Chennai Jan 2012-Dec 2013**

**Responsibilities**:

* Contribute to the design, architecture and final implementation of the company’s software platforms.
* Invent flexible solutions to challenging technical problems that are adaptable and scalable to future business needs.
* Involved in various phases of Software Development Life Cycle (SDLC) as requirement gathering, data modeling, analysis, architecture design & development for the project.
* Followed Agile Scrum methodology, involved in sprint planning, retros and code reviews.
* Participated in code reviews with both internal and outsourced staff as necessary to ensure a high-quality product.
* Creating and maintaining needed SVN branches and tags for the development teams.
* Extensively used SVN as a Configuration Management tools to manage source code
* Used ANT and Python scripts to automate the Build and deployment process.
* Developed build scripts using ANT for the creation of build artifacts like war or ear files.
* Installed Continuous Integration Server Jenkins as a service, configured the projects on Jenkins and automated the build, deployment and test execution on all the target platforms.
* Performed automated builds using Jenkins pipeline structure.
* Involved in largest projects to design and implemented Puppet-based configuration management system for all new Linux machines.
* Designed Puppet Modules to manage configurations and automate installation process.

**Environment:** Linux, SVN, Apache ANT, Jenkins, Tomcat, Nexus

**Education:**

Bachelor’s in Electronics and Instrumentation Engineering from Anna University.