**Nandini Chunduri**

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**Summary:**

* Having **6+ years** of IT experience as **DevOps** in **AWS** Cloud Infrastructure management and Implementation.
* Proven exposure in Internet products Build and Release management, SDLC, Systems integration and Environments Management.
* Working experience in continuous delivery, Infrastructure automation using **Chef.**
* Hands on experience in creating **Chef Recipes, cookbooks** and **Ansible Playbooks** and roles for cloud automation (AWS) and Application deployment automation.
* Having good experience on monitoring **Ansible Servers** and nodes and also creating indexes.
* Ability to identify and gather requirements to define a solution to build and operate the multiple applications on **AWS.**
* Experience in maintaining **AWS (Amazon Web Services) EC2 (Elastic Cloud Computing) resources like instances, EBS volumes, snapshots, Elastic Load Balancers (ELB), VPC, AMI's, Lambda, security Groups, elastic IP's,** Key pairs and **Amazon Cloud watch** for different zones in different environments and **API Gateways.**
* Good Experience in implemented Continuous Integration/Continuous Deployment Automation Process using various tools like **Jenkins, Bamboo, Chef and Ansible.**
* Extensive experience in setting up the **CI/CD** pipelines using **Jenkins, Maven, Nexus, GitHub, CHEF, Terraform and AWS.**
* Good Experience in Dockerized applications by creating **Docker** images from **Dockerfile** and Handled large volumes of container clusters with **Docker swarm, Kubernetes** and **Mesos.**
* Extensively experienced with build tools like **Jenkins, Team City, SonarQube, Maven and ANT.**
* Extensible experience in setting up Baselines, Branching, Merging and Automation Processes using **Shell, Perl** and **Python Batch Scripts.**
* Hands on Experience on deploying the **Maven** files into servers and stored the artifact files in **Nexus** repository for controlling the version of the artifacts or builds.
* Experienced in trouble shooting, Configuring and Deploying Enterprise Applications in **WebSphere,** BEA **WebLogic** and **JBOSS/Tomcat** as well.
* Good Experience in integrating **JIRA** with **CI/CD** Pipeline as defect tracking system and configured workflows to automate deployment and issue tracking.
* Proficient in managing the source code control of multiple development efforts using **GIT, Sub version** control tools.
* Good interaction with developers, managers, and team members to coordinated job tasks and strong commitment to work.
* Good analytical, problem solving, communication skills and have the ability to work either independently with little or no supervision or as a member of a team.

**Key Skills:**

* **DevOps Tools:** Chef, Ansible, Puppet, Sonar Qube, Docker, Kubernetes, Nexus, AWS, Terraform.
* **Languages/Scripting:** Java, Python, Bash, PowerShell, Perl, Ruby
* **Web Servers:** Apache Tomcat, WebSphere, Web logic and JBOSS.
* **CI/Build Tools:**Jenkins, Ant, Maven.
* **Monitoring Tools:** Nagios, Splunk
* **Content Management:** dot CMS
* **Version Controls:** SVN, GIT, Bitbucket.
* **Databases:** Dynamo DB, Postgres SQL, Oracle, My-SQL, IBM DB2, MS SQL Server.
* **OS:** Windows, Linux, Amazon Linux

**Professional Experience:**

**Moodys Investor Servicies, NewYork | Duration: April 2020 – till date**

**Role: DevOps Engineer**

**Responsibilities:**

* As DevOps Engineer work on AWS Cloud services and member of Issuer Focus, Moodys Local and Fen ergo Teams.
* Responsible for Implementing and Refining the DevOps Automated process and keep the SAAS Products running.
* Built end to end CI/CD pipeline for Marketo Email Project as server less application with Cloud Watch event trigger schedule.
* Support SAAS Cloud Application deployed for Moody’s Customers Worldwide and service is being delivered.
* Assist development teams in building, hosting and deploying fault-tolerant, scalable, self-healing and secured application in cloud.
* Collaborate with development teams to optimize the performance and migrate dev, QA and Production environments to cloud.
* Work with Development and QA teams to manage release and deployment cycles for Issuer Focus Product especially in AWS Cloud.
* Deep knowledge of CI and Configuration management tools and how to optimally deploy these in cloud
* Strong automation skills and experience (Python, Ruby, Ansible, Cloud Formation, etc.)
* Worked on Containers based deployed for Moody Local Project.
* Analyze AWS Services Cost and Optimize/reduce AWS resources costs by right size the workloads and cleanup unused instances.
* Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus using Nexus ant factory plug-in for Fen ergo Project.
* Help developers, QA team and work together to solve the Linux server, AWS Resource problems and significantly improving IT performance, availability and efficiency.
* Develop CF templates for Spotlight, Marketo Email, Dynamo DB, NGINX and resource tagging.

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| **Tools/Technologies:** |
| Java/J2EE, Python, Ansible, Chef, Docker, Kubernetes, Nexus, CI/CD, Jenkins, AWS, Web GUI, SQL, Agile, JavaScript, Bash, GIT, GitHub, LINUX. |

**Broadway Bank, San Antonio, TX|Duration: Jan 2019 – Mar 2020**

**Role: DevOps Engineer**

**Responsibilities:**

* Analyze and Review the requirements, identified process improvement and automation opportunities within the release process to continuously improve the overall product quality.
* Implemented and managed release processes for code through development, test and production environments
* Designed and implemented multiple deployment strategies using CI/CD Pipeline through automation with enterprise GitHub, Jenkins, Sonar Nexus, Docker and AWS AMI's in Linux environment.
* Worked with many different concepts of Chef like Roles, Environments, Data Bags, Knife and Chef Server Admin/Organizations.
* Scripted Chef Cookbooks for various DB configurations to modularize and optimize product configuration, altering production support scripts to Chef Recipes and AWS server provisioning using Chef Recipes.
* Involved in designing and deploying various applications utilizing almost the entire AWS stack (EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling.
* Used Terraform Plan to meticulously detect and analyze the changes that will be inflicted after Terraform Apply.
* Extensively used Ansible Configuration management to deploy packages with the required build artifacts from Artifactory and facilitate a stable and scalable build and deploy infrastructure.
* Responsible for writing Bash, Shell, Perl, Python scripts to ping servers and adding users to the boxes and proficient in scripting languages to automate daily activities.
* Developed Gradle and Maven scripts to automate the compilation, deployment and testing of Web and J2EE applications.
* Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus using Nexus antifactory plug-in.
* Set up the build and deployment automation for Java base project by using JENKINS and Maven.
* Integrated Docker container orchestration framework with Kubernetes by creating pods, config Maps, deployments, Replica sets, nodes etc.
* Integrated Jenkins with various DevOps tools such as Nexus, SonarQube and used CI/CD system of Jenkins on Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.
* Implemented & maintained the branching and build/release strategies utilizing BITBUCKET.
* Working on GIT for data integrity and managed central repositories: Implemented Atlassian Stash along with GIT to host GIT central repositories for source code across products, facilitate code reviews and login audits for Security Compliance.
* Used AGILE method to develop a build and MAVEN as a build tool.
* Actively participant in scrum meetings, reporting the progress and maintain good communication with each team member and mangers.

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| **Tools/Technologies:** |
| Java/J2EE, Python, Ansible, Chef, Docker, Kubernetes, SonarQube, Nexus, Nagios, CI/CD, Jenkins, Ant, Maven, Gradle, Terraform, AWS, Web GUI, SQL, Agile, JavaScript, Bash, GIT, Bitbucket, LINUX, UNIX. |

**SVB Financial Group, San Francisco, CA| Duration: Aug 2017 – Dec 2018**

**Role: DevOps Engineer**

**Responsibilities:**

* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments.
* Developed build and deployment scripts Maven as build tools in Jenkins to move from one environment to other environments.
* Created Shell & Python scripts for various Systems Administration tasks to automate repeated processes.
* Worked closely with the development and operations organizations to implement the necessary tools and process to support the automation of builds, deployments, testing and infrastructure (infrastructure as code) using Chef.
* Developed Chef Recipes to configure, deploy and maintain software components of the existing Infrastructure.
* Used Chef to automate Configuration management & Applications, manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages.
* Using Ansible with AWS allowed me to reduce costs for the department and eliminate unwarranted resources.
* Used Ansible to automate Configuration management and to manage Web Applications, Config Files, Data Base, Users Mount Points and Packages. Defined all servers in Ansible, so that a newly built server could be up and ready for production.
* Created CI/CD pipeline in the Jenkins and ran the build by integrating with GitHub repository by using Ansible build and deploy scripts.
* Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus using Nexus antifactory plugin.
* Worked on Docker container snapshots, attaching to a running container removing, image managing, directory structures.
* Designed and implemented Nexus binary repository and process.
* Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Created Bash Scripts and cron jobs that observed and described security issues.
* Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web-based solution.
* Used of Docker, Kubernetes and Open Shift to manage micro services for development of continuous integration and continuous delivery.
* Utilized Kubernetes for the runtime environment of the CI/CD system to build, test deploy.
* Build and release of Cloud based products containing Linux and Windows environments, using Python Scripting.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one.
* Managed SVN/Git repositories for branching, merging, and tagging, resolved merging issues during rebasing and re-integrating branches by conducting meetings with development team.
* Deployed the generated build to WEB and APP server using the continuous integration process to all Environments.
* Maintaining the track of the number of the deployments and the details of the specific environments using JIRA.
* Worked closely with various teams to resolve issues which include: Business, QA, Build & Deployment, Production Support teams.

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| **Tools/Technologies:** |
| Chef, Puppet, Jenkins, Maven, AWS, Bash Scripts, Python, CI/CD, GitHub, Ansible, Terraform, Docker, Nexus, Kubernetes, SVN, Jira, Agile and LINUX, Windows. |

**CVS Health Care, Scottsdale, AZ.| Duration: Apr 2016–Jul 2017**

**Role: DevOps/Build/Release Engineer**

**Responsibilities:**

* Managed all phases of software development life cycle (SDLC) by building customized Build and deployment Applications.
* Created plans and ensured Release management deliverables are met on time, risks are appropriately mitigated and code implementation status is communicated regularly to Application Manager.
* Used Chef for managing server application server such as Apache and MySQL.
* Configured and setup activities of both environmental and functional and collected data for preparing monthly metrics of the migrated codes, monthly internal and yearly external audits.
* Developing automated process for builds and deployments using Jenkins, Maven, SonarType Nexus, Shell, Python and Java.
* Created Puppet manifests and modules to automate system operations. Created monitors, alarms, and notifications for EC2 hosts using Cloud Watch.
* Used Puppet for Monitoring system and automation.
* Design and document CI/CD tools configuration management.
* Involved in designing/automating proof of concept projects and version control tool migrations.
* Improving Continuous Integration workflow using Virtual Environments like Docker and automating Build process using Docker and similar tools.
* Implemented a mirror for SVN repository, which enables users to use both SVN and GIT.
* Worked on Shell/Bash/Perl scripts for automation purpose.
* Created and owned, Build and Continuous Integration environment with Maven and Jenkins.
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Configured Nightly Builds using SCM polling option to ensure an updated version of antifactory generated in NEXUS.
* Administered and integrated the Version Control Systems like Subversion and GIT with Jenkins.
* Involved in migration activities using Red Hat LVM, Solaris LVM and involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.
* Involved in release planning and executed the release build request from the project team through JIRA Ticket.
* Worked closely with development teams and architects to debug software and system problems and resolve the issues.

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| **Tools/Technologies:** |
| DevOps, Puppet, Docker, GIT, Maven, JIRA, Tomcat, UNIX, Jenkins, Chef, Maven, Red Hat LVM, Solaris LVM, ANT, MySQL, Apache, SVN and Windows. |

**Benecode SolutionsPvt Ltd., India| Duration: Mar 2014 – Mar 2015**

**Role: Build-Release Engineer.**

**Responsibilities:**

* Worked on establishing a streamlined release process for the development team from scratch.
* Created release notes based on the contents of builds and publish build artifacts to the stakeholders.
* Used Maven scripts to build the source code. Supported and helped to create Dynamic Views and Snapshot views for end users.
* Administrated and configured Jenkins to aid in build and deployment process. ;.Also, automated jobs with Shell and Python scripts inside the Jenkins CI framework.
* Continuous Integration: implemented and promoted use of Jenkins within the developer community. Validated Jenkins, Team City along with Bamboo.
* Worked with GIT and Subversion to manage source code.
* Developed build and deployment scripts using Maven and ANT as build tools in Jenkins/Team City to move from one environment to other environments.
* Created build/deploy documentation in confluence for various applications.
* Deployed code to production environments using Vagrant to ensure zero down time and provided production support during live releases.
* Have done various POCs to explain and demonstrate the possibility of implementing CI/CD in various projects.
* Developed Jenkins Plugins which integrates our In-house tools with Jenkins.
* Developed UNIX and Perl Scripts for the purpose of manual deployment of the code to the different environments
* Developed scripts for executing validation/test cases automatically after builds.
* Managed central repositories: Implemented Atlassian Stash along with GIT to host GIT central repositories for source code across products, facilitate code reviews and login audits for Security Compliance.
* Developed and maintained in-house Code review system before migrating to the lightweight code review system available in Stash.
* Designed and implemented the backup strategy for all the critical systems such as build machines, bug tracking tools, central repositories etc.

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| **Tools/Technologies:** |
| Java, Eclipse, Tomcat, Oracle, Jenkins, Team City, Python, Maven, Git, Ubuntu, Ruby, Windows. |

**Education:**

Bachelor of Technology (Electronics and Communication Engineering)

**Certifications:**

AWS Certified Solution Architect –Associate

**References:** Will be provided upon request.