**ASHOK**

**PROFESSIONAL SUMMARY**

* Around **5** years of IT experience **Build and Release/DevOps Engineering** in automating, building, deploying, and releasing of code from one environment to another environment.
* Experienced in working on **DevOps**/**Agile** operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* Experience in working on source controller tools like Subversion **(SVN), CVS, IBM Clear case, Perforce, and GIT.**
* Extensively worked on **Hudson, Jenkins, and TeamCity** for continuous integration and for End to End automation for all build and deployments.
* Having good Experience in DevOps tools like **Chef** and **Puppet** for deployment.
* Exposed to all aspects of software development lifecycle (SDLC) such as Analysis, Planning, and Developing, Testing, and Implementing Post-production analysis of the projects.
* Having experience in using informatical data transformations like **Expression, Lookup (Connected & Unconnected), Filter, Source Qualifier, Router, Aggregator, Sorter, Union, Joiner, Update Strategy, Sequence Generator and for data Cleansing, Scrubbing needs.**
* Expert in implementing **Java/J2EE** technologies for application development in sundry layers of projects i.e. Requisite amassing, Analysis, Design, Implementation, Unit Testing and Deployment from SIT, UAT to Prod.
* Developed **Python, Shell, Ruby and Groovy** scripts for software build conduct and management support.
* Expertise in Querying RDBMS such as **Oracle, MYSQL,** and **SQL** Server by using SQL for data integrity.
* Experience working on several **Docke**r components like **Docker** Engine, Hub, Machine, creating **Docker** images, Compose, **Docker** Registry and handling multiple images primarily for middleware installations and domain configurations.
* Experience in Implementing Continuous Delivery pipeline with **Docker**, **Maven**, **Ant**, **Jenkins, Lara** and **AWS**.
* Proficient with cloud services like **OpenStack** and Amazon Web Services.
* Experience in running web scale services on **Amazon Web Services**.
* Experience in using **AWS** including EC2, Auto-Scaling in launching EC2 instances, Elastic Load Balancer, Elastic Beanstalk, S3, Glacier, Cloud Front, RDS, VPC, Route53, Cloud Watch, Cloud Formation, IAM, SNS.
* Fulfilling the role of a Release Engineer in respects to our **Puppet code.**
* Ability in development and execution of **Python, Ruby, Shell and Perl Scripts.**
* Efficient in working closely with teams to ensure high quality and timely delivery of builds and releases.
* Having good Experience in **Chef and Puppet** for Deployment on Multiple platforms.
* Experience in using Bug tracking tools like **JIRA, Remedy, HP Quality Centre and IBM Clear Quest.**
* Conduct systems design, feasibility and cost studies and recommend cost-effective cloud solutions such as **Amazon Web Services (AWS).**
* Experience in software build tools like **Gradle**, **Nexus.**
* Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment.
* Expertise in troubleshooting the problems generated while building, deploying and also in production support.
* Strong knowledge on source controller concepts like Branches, Merges, and Tags.
* Excellent communicative, interpersonal, intuitive, analysis and leadership skills with the ability to work efficiently in both independent and team work environments.
* Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment.
* Implemented Continuous Delivery framework using **Jenkins, puppet**, and **Maven** in **Linux** environment.
* Worked with Engineers, QA, and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building (**Agile Projects**).
* Participated in the design discussions and lead from the configuration management team to help build the Automated Release Life Cycle (**ARLM**) tool.
* Migrating the projects from **ANT** to **Maven** and upgrading the build tools.
* Deploying the applications in **JBOSS** and **Web Sphere**.
* Design and execute messaging integrity and throughput testing of **Kafka** infrastructure‬.‬
* Exposed to all aspects of **software development life cycle (SDLC)** such as Analysis, Planning, Developing,
* Exposed to all aspects of **software development life cycle (SDLC)** such as Analysis, Planning, Developing, Testing and Implementing and Post-production analysis of the projects.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| Operating Systems | MS Windows XP/2000/NT/98/7/8, UNIX, Linux, MS-DOS |
| Database | Oracle 11g/10g and 9i, SQL 2005/2008 and Enterprise |
| Languages/ETL Tools | Java, C, PL/SQL/ Informatica Powercenter 9.6.1 |
| Scripting Languages | PERL, Ruby, Python, Shell, Groovy |
| Web/App Servers | Web logic, Web Sphere, Apache Tomcat, JBOSS |
| Bug Tracking Tools | Jira, Remedy, Selenium. |
| DevOps / Cloud Computing | AWS, OpenStack, Puppet, Chef, Docker, Nagios. |
| Build & CI Tools | ANT, Maven, Hudson/Jenkins, Artifactory, Bamboo, Nexus |
| SCM Tools | CVS, SVN, ClearCase, GitHub, Perforce |

**EDUCATION**

* Bachelors in Information Technology from Jawaharlal Nehru Technological University Anantapuram, INDIA

**PROFESSIONAL EXPERIENCE**

***Client:* Verizon Wireless, Basking Ridge, NJ *Duration:* Mar 2017 – Till Now**

***Role:* *SCM/DevOps Engineer***

* Involved in designing and deploying multitude applications utilizing almost all of the **AWS** stack (Including **EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM**) focusing on high-availability, fault tolerance, and auto-scaling in **AWS CloudFormation**.
* Migrated the current **Linux** environment to **AWS/RHEL** Linux environment and used auto scaling feature. Involved in Remediation and patching of **Unix/Linux** Servers.
* Build out server automation with Continuous Integration - Continuous Deployment tools like **Jenkins/Maven** for deployment and build management system.
* . Implemented automated local user provisioning instances created in **AWS cloud.**
* Provide highly durable and available data by using **S3** data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
* Designed and implemented scalable, secure cloud architecture based on **Amazon Web javaServices**.
* Defined branching, labelling, and merge strategies for all applications in **Git**.
* Built Continuous Integration environment **Jenkins** and Continuous delivery environment.
* Build servers using **AWS**, Importing volumes, launching **EC2, RDS**, creating security groups, auto-scaling, load balancers (**ELBs**) in the defined virtual private connection.
* Wrote Perl scripts and automated creating projects in Jenkins and **Nexus** repository as part of release process.
* Managed **Nexus** Maven repositories to download the arti-facts during the build.
* Used Maven dependency management system to deploy snapshot and release arti-facts to **Nexus** to share arti-facts across projects.
* Implemented **puppet**using best practices and automate CD system.
* Used **puppet** for automation of repetitive processes done in Apache user administration, file management and managing file and directory permissions in different environments.
* Designed **puppet**Modules to manage configurations and automate installation process.
* Deployed **puppet**and **puppet DB** for configuration management to existing infrastructure
* Administered and Engineered **Jenkins** for managing weekly Build, Test, and Deploy chain, **SVN/GIT** with Dev/Test/Prod Branching Model for weekly releases.
* Installed, configured and maintained web servers like **HTTP** Web Server, Apache Web Server,
* Created Python scripts to totally automate **AWS** services, which includes web servers, **ELB**, CloudFront distribution, database, **EC2** and database security groups, **S3** bucket and application configuration, this script creates stacks, single servers, or joins web servers to stacks.
* Designing and implementing container orchestration systems with **Docker Swarm** and **Kubernetes.**
* Building out Kubernets test environment on GCE for product support QA as well as Replicated's clustering functionality test.
* Experience working on several **Docker** components like **Docker** Engine, Hub, Machine, Compose and **Docker** Registry.
* Experience working on **Docker** hub, creating **Docker** images and handling multiple images primarily for middleware installations and domain configurations.
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing Directory structures and managing containers.
* Manual Installation and configuration of **WebLogic** and **Apache** **Tomcat** servers.

**Environments:** Linux, Jenkins, Apache Maven,Nexus, ANT, Docker, GIT, WebLogic Server, Apache Tomcat Server, Python, Shell,Puppet, AWS, VPC, VM's, AWS CloudFormation, EC2.

***Client:* Germania Insurance, Brenham, TX *Duration:* Oct 2015 – Feb 2017**

***Role: DEVOPS/* Cloud ENGINEER**

* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Responsible for designing and deploying best **SCM** processes and procedures.
* Coordinate/assist developers with establishing and applying appropriate branching, labelling/naming conventions using **GIT**source control.
* Installed, administered and configured **Jenkins** Continuous Integration (**CI**) tool.
* Developed build and deployment scripts using **ANT** and **Maven** as build tools in **Jenkins** to move from one environment to other environments.
* Worked with the development team to migrate **Ant** scripts to **Maven.**
* Experienced in authoring pom.xml files, performing releases with the **Maven** release plugin, Mavenization of **Java** projects and managing **Maven** repositories.
* Researched and implemented code coverage and unit test plug-Ins with **Maven/Jenkins**.
* Worked on Integrated **JIRA** with subversion and **Jenkins** to automate the weekly build process.
* Used **Maven**dependency management system to deploy snapshot and release artifacts to **Nexus** to share artifacts across projects.
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with Ant and **Maven** to schedule the builds.
* Deployed **Java/J2EE** applications to **WebLogic** server using **Jenkins**.
* Implemented the setup for Master-slave architecture to improve the Performance of **Jenkins.**
* Installed, configured & administered **Jenkins** CI tool on Linux machines; setup Master-slave architecture to improve performance and used **Jenkins** for CI & CD into **Tomcat** Application Server.
* Designed, Installed and Implemented **Chef** configuration management system.
* Used **Chef** to manage Web applications, Environments configuration Files, Users, Mount points, and Packages.
* Worked with **Chef** playbooks for virtual and physical instance provisioning, configuration management, patching and software deployment on **OpenStack** environments through automated tools, **Chef**/custom pipeline.
* Created scripts in **Python** which integrated with Amazon **API** to control instance operations.
* Used **Subversion** as source code repositories and Managed SVN repositories for branching, merging and tagging.
* Analyse and resolve conflicts related to the merging of source code for **GIT**.
* Implemented the setup for Master-slave architecture to improve the Performance of **Jenkins.**
* Used **Jenkins** for Continuous Integration and deployment into **Tomcat** Application Server.
* Deployed **Java/J2EE** applications to Application servers in an **Agile continuous integration** environment and also automated the whole process.
* Extracted data from different sources like Oracle, flat files, XMLs.
* Worked on Informatica Power Center tool - Source Analyzer, warehouse designer, Mapping Designer, Workflow Manager, Mapplets, and Reusable Transformations.

**Environment:** Java/J2EE, ANT, Maven, Subversion, GIT, Chef, Linux, OpenStack, Marathon, Shell, Perl Scripts, Python, Ruby, Jenkins, Jira.

***Client:* DIRECTV, El Segundo, CA | INDIA *Duration:* Nov 2013 – Mar 2015**

***Role:* BUILD AND RELEASE ENGINEER**

**Responsibilities:**

* Setting up continuous integration and formal builds using **Artifactory** repository.
* Integrated **Maven** with **SVN** to manage and deploy project related tags.
* Installed and administered **Artifactory** repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Mentor Business Areas on **Subversion** **Branching, Merging** strategies concepts.
* Involved partially in deploying**WARs/EARs** (backend) through Weblogic Application Server console.
* Performed setup of **Clustered** environment with **Weblogic Application Server**.
* Support Lead developers with Configuration Management issues.
* Worked for Creating the Software Configuration Management Plan.
* Managed the entire release communication and Release co-ordination during the Project roll-out.
* Involved in estimating the resources required for the project based on the requirements.

**Environment: -** Java, Maven, Linux, Weblogic, Subversion, Shell scripting, Nolio

***Client:* Stratus Pharmaceuticals, Miami, FL | INDIA *Duration:* Oct 2012 – Oct 2013**

***Role:* BUILD RELEASE ENGINEER**

**Responsibilities:**

* Setting up continuous integration and formal builds using **Artifactory** repository.
* Integrated **Maven** with **SVN** to manage and deploy project related tags.
* Installed and administered **Artifactory** repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Mentor Business Areas on **Subversion** **Branching, Merging** strategies concepts.
* Involved partially in deploying**WARs/EARs** (backend) through Weblogic Application Server console.
* Performed setup of **Clustered** environment with **Weblogic Application Server**.
* Support Lead developers with Configuration Management issues.
* Worked for Creating the Software Configuration Management Plan.
* Managed the entire release communication and Release co-ordination during the Project roll-out.
* Involved in estimating the resources required for the project based on the requirements.

**Environment: -** Java, Maven, Linux, Weblogic, Subversion, Shell scripting, Nolio