**Kumar**

**Sr. DevOps Engineer**

**Professional Experience Details:**

* Around 7 years of Experience in IT industry with a profile of Build **&release Management**, **Source Code& Configuration management**, **Infrastructure automation** and **System Administration**.
* Experience in configuring the **EC2 instances** and also hands-on experience in setting up the infrastructure of **AWS**.

**Build & Release Automation Experience**

* Good knowledge on DevOps activities such as **Continuous Integration** and **Continuous Deployment** and also on the required tools.
* Hands on experience in setting up the continuous integration tool **Jenkins** and have a good understanding of **Jenkins build process.**
* Extensive experience in using Build Automation scripting like **ANT** and **Maven.**
* Hands on experience in using Build Automation tools like **Maven** &**ANT** with continuous integration tools like Jenkins
* Expertise on Source code control tools like **SVN,GIT** and good knowledge on **Branching** and **merging** code lines in the GIT

**Configuration Management and Deployment Experience**

* Expertise in configuring **Chef** and **Puppet** that included the installation and configuration of the **Puppet master, chef client, chef server, agent nodes** and an **admin control workstation.**
* Experience in **SCM** tools **Chef** and **Puppet**, **Ansible** for configuration management on multiple platforms like Windows and Linux.
* Experience with setting up **Chef Infra**, **Bootstrapping nodes,** creating and uploading **recipes**, **node convergence** in Chef SCM.
* Good knowledge of **data bags, attributes, cookbooks, recipes** and **templates** in Chef.
* Experience in maintaining **configuration management tools** on enterprise operating systems.

**Amazon Web Services Experience**

* Experience in implementing AWS for enterprise environments.
* Hands on experience with **EC2, S3, RDS, VPC, ELB, Cloud Formation, Auto scaling.**
* Expertise on creating custom users & groups on an **IAM** console.
* Experience in implementing **continuous integration on AWS**.
* Good knowledge on scaling a relational database and applying **data security** on the cloud.
* Expertise on few of the messaging services like **SNS, SQS.**
* Worked on operational support activities to ensure availability of **customer websites** hosted on AWS cloud infrastructure using **Virtual private cloud(VPC)** and **public cloud**.
* Experience in migrating applications to Amazon Web Services (AWS) from **Datacenter.**

**Languages/Scripting and other tools experience**

* In-depth knowledge on scripting like **Advanced Shell Scripting, Python**, **Ruby.**
* Experience with cloud and virtualization based technologies like **Docker, AWS.**
* Expertise in automated deployment of **websites, applications** and **services** to **production environments.**
* Good Knowledge on **directory services** related to windows domain networks like Active Directory.
* Strong **database skills** to investigate create, drop, edit, and manage any database object or schema.
* Experience in configuring web server platforms such as **PHP, Apache, Tomcat.**
* Expertise on Application servers such as **Apache, Tomcat, IIS (Internet Information Services)**.
* Basic Knowledge on OOPS languages like **JAVA, Dot net.**
* Strongly familiar with Agile development methodologies like **SCRUM.**
* Expertise on one of the project and issue tracking tools in agile development called **JIRA.**
* Good Knowledge on IT monitoring, network & applications monitoring, server monitoring tools **Nagios, App dynamics.**
* Expertise in **maintaining** and **troubleshooting** Linux and Windows platforms.
* Expertise on Project Delivery and good knowledge of all phases of **Software Development Life Cycle(SDLC).**
* Knowledge on Apache Kafka messaging system in handling data pipeline for high speed filtering and monitoring data pipelines.

**PROFESSIONAL EXPERIENCE:**

**Client: CSX Technology, Jacksonville, Florida Nov’2015 – Present**

**Role: Sr. DevOps Engineer**

**Responsibilities:**

* Involved in DevOps **migration/automation** processes for **build** and **deploy** systems.
* Implement the Build automation process for all the assigned projects in Vertical Apps domain
* Performing regular **Cron job** updates in servers.
* Worked with **SVN** and **GIT** version controls.
* Evolving new tools/methodologies to improve this existing process and show better results to all stakeholders
* Support the code builds by integrating with **continuous integration tool (Jenkins)**
* Written Maven scripts, Installed Jenkins, written **shell script** for end to end **build** and **deployment automation.**
* Provided configuration management expertise to all software development projects.
* Set up Jenkins for Continuous Integration Process
* Configured various jobs in Jenkins for deployment of **Java-based** applications and running test suites
* Setup ANT script based jobs in Jenkins and Worked with **Jenkins Pipelines.**
* Build scripts using **ANT** and **MAVEN** build tools in **Jenkins**, **Sonar** to move from one environment to other environments.
* Created and maintained the **Python** deployment scripts for WebSphere application server.
* Developed **shell scripts** for automation of the build and release process.
* Worked on SQL Server 2012 management in **DDL** and **DML** script migration
* Managed **Maven** project dependencies by creating parent-child relationships between Projects.
* **Jenkins** is used as a continuous integration tool for automation of the daily process.
* Designed and implemented scalable, secure cloud architecture based on **Amazon Web Services.**
* Set up the scripts for creation of new **snapshots** and deletion of old snapshots in **S3**
* Worked with Amazon **IAM** console to create custom users and groups
* Worked with various **AWS EC2** and **S3 CLI** tools
* Experience with setting up **Chef Infra, Bootstrapping nodes,** creating and uploading **recipes, node convergence** in **Chef SCM**
* Experience in setting up the **chef-repo, chef work stations** and **chef nodes.**
* Researched and implemented **code coverage** and **unit test plugins** like Find Bugs, Check style and PMD with Maven.
* Worked with the development team to migrate **Ant** scripts to **Maven**.
* Development, Quality Assurance, and Management teams to ensure cross communication and confirmed approval of all production changes.
* Provided end user training for all Tortoise **SVN, JIRA** users to effectively use the tool.
* Experience in writing the rewrite rules in **Apache HTTP Server** Version 2.0
* Created multiple **Python, UNIX** shell scripts for various application level tasks
* Imported and managed multiple corporate applications into **Tortoise SVN** and implemented the setup for **Master-slave architecture** to improve the Performance **Automated SQL Scripts.**

**Environment**: GIT, Tortoise SVN, Jenkins, Java/J2EE, ANT, MAVEN, Open Stack, Amazon EC2, Amazon Web Services, Puppet, Chef, Python Scripts, Shell Scripts, Sonar, UNIX, JIRA.

**Client: Vonage International, Holmdel, New Jersey Nov’2014 – Oct’2015**

**Role: DevOps Engineer**

**Responsibilities:**

* Implemented new Process and Policies for **Build Process**.
* Experience in Migrating Projects from **ANT** to **Maven**.
* Built Continuous Integration Environment (**Jenkins, Sonar, and Nexus**) and Continuous Delivery Environment (**puppet, Yum, rsync**).
* Implemented **Automated Application Deployment** using **Puppet**.
* Written Deployment Scripts and Automation Scripts
* Participated in all Product Release and Patches.
* Managed **GIT** and **SVN** as Source Control Systems.
* Installed and configured **Weblogic Server** on Windows and Linux Platforms Contributed in Weblogic administration in Dev and QA environments.
* Defined the Build and automated Testing Infrastructure. Educated both Development and QA teams with the tools and process.
* Managed **GitHub** Projects and migrated from SVN to **GitHub** with history.
* Implementing Change Management and Release Management based on the ITIL Framework. Starting up project for Configuration Management Database
* Involved in leading **Automation Deployment** Team by working with **Puppet.**
* Involved in building rpm’s using **Maven rpm** Plugin.
* Provided support for Artifact Management using **Puppet** and used **Nexus** yum Plugin to provide yum Integration from Repository Server.
* Involved in **Dev. / QA Deployments** and automated using Maven.
* Supported the Developers when there were Conflicts during the Merging process.
* Experience in building .Net Applications using MSBuild and deploy them to IIS Servers.
* Extensive knowledge of Multiple Client Operating Systems such as Windows, UNIX, and Linux.
* Implemented the SCM Best Practices by allowing each and every individual Developer their own Workspace.
* Used **Agile** and **Scrum** Methodologies.

**Environment:** Java, ANT, Maven, Jenkins, Sonar, Nexus, SVN, GIT (Github), Python, Shell Scripting, JBoss 6.1, Tomcat, Puppet.

**Client: Ericsson, Piscataway, New Jersey Nov’2012 - Oct’2014**

**Role: Build & Release Engineer**

**Responsibilities:**

* Responsible for Development, UIT, SYSTEM, UAT, STAGING, PRODUCTION Builds and Releases.
* Assist with maintaining current **build systems**, developed **build scripts**, and maintained the **source control system**.
* Responsible for CI environments **(Jenkins, Nexus, Sonar)**
* Developed build and deployment scripts using **ANT** and **MAVEN** as build tools in Jenkins to move from one environment to other environments.
* Testing the application manually.
* Performed weekly and call deployments of application codes to production environments.
* Coordinated application release with the developer, DBA, QA and project management teams.
* Worked in cross-platform environments like **Linux, UNIX** and **Windows**.
* Documentation of detailed **build configuration**, **Build procedures** and change history for releases.
* Participated in the designing from the initial stage of development and prepared the class and **sequence diagrams**.
* Coordinating with development teams to perform builds and resolve **build issues**.
* Analyze and create daily reports on the status of server backups on intranet and extranet.
* Provide complete phone support to customers.
* Troubleshoot tickets on the **helpdesk tracking system**.
* Configured Environment, run unit tests and created reports by using **Maven**.

**Environment:** Java, J2EE, SVN (Subversion), Hudson Ant, Maven, Jenkins, JIRA, Shell/Perl Scripting, WebSphere, UNIX.

**Client: HSBC GLT, Hyderabad, India Sep’2009–Nov’2012**

**Role: Build and Release Engineer**

**Responsibilities:**

* + Responsible for versioning the source code, releasing binary files and tagging on source files and release files.
* Administered **Jenkins continuous integration server installation** and configuration for all **SVN** Repositories.
* Automated application packaging and deployments.
* Managed staging and testing environments.
* Established coding standards and enforced them through automated tools.
* Educated team about continuous integration and automated testing practices and supported them throughout development.
* Configured **Jenkins** to implement **nightly builds** on daily basis and generated change log that includes changes happened from last 24 hours.
* Connected continuous integration system with **GIT** version control repository and continually build as the check-in’s come from the developer.
* Created multiple **ANT, MAVEN, Shell** scripts for build automation and deployment.
* Defined branching and merging strategies.
* Documented the **SCM process** and policies of the company and recommended some process changes.
* Responsible for writing the **Release Notes**, documenting all the useful info about the release, software versions, changes implemented in current release, Defects fixed, Labels applied.
* Deployed Java/J2EE applications onto on to **Apache Tomcat** application servers and configured **it** to host the wiki website.
* Deployed application packages on to **Apache Tomcat** Sever.
* Coordinated with software development teams and QA teams on issues and solved the problems.

**Environment:** SVN, Jenkins, ANT, MAVEN, Shell (bash), Apache Tomcat Server, Java/J2EE, Linux

**Education**

**Bachelor of Technology** in Electronics and communications Engineering, ICFAI University, Hyderabad. [6.83/10]