**Vinesh Kumar**

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**SUMMARY**

* **Over 7+ Years** of IT Industry experience with **Configuration Management**, **Build, Deploy, Release Management** and **Quality Assurance**.
* Experience with hands on experience in **Build Release management**, **shell scripting**, **UNIX System administration**, **Linux Administration**.
* **Build and release** of Cloud based products containing **Linux** and **Windows environments**, using **Power Shell**, **TFS** and **Python Scripting**.
* Experience in Administration/Maintenance of source control management systems, such as **Sub Version (SVN)**, **Perforce, TFS, GIT** and knowledge of **Clear Case**.
* Designed and implemented **Software configuration management (SCM)** and **change management (CM)** solution using **TFS, Rational Clear Case, Jira, Clear Quest** (Change Control tool).
* Responsible for training all employees on the use of **Rational Clear Case Remote Client tools, Subversion (SVN), TFS.**
* Involved in Customization of Work Items, **Transition Matrix in TFS, Clear Quest.**
* Worked in integrating **TFS with Visual Studio 2005 & 2008**.
* Good exposure in administering version control systems to create daily **backups** and **checkpoint files**.
* Managed continuous integration environment using **Team City.**
* Expertise in using build tools like **MAVEN** and **ANT** for the building of deployable artifacts such as **war & ear** from source code.
* Experience in managing the artifacts generated by **MAVEN** in the **Nexus and Antifactory** repository.
* Experience in **Pivotal Cloud Foundry (PCF)** & the implementation of micro services in **PCF** and move development application from **Docker** containers & deploy into production **Cloud Foundry** environment.
* Expertise in **Amazon AWS Cloud Administration** which includes services: **EC2, S3, EBS, VPC, ELB, Route 53, Auto Scaling, Security Groups, SNS, SQS** and **Cloud** Formation.
* Created **AWS** computing instance Services like **EC2** and **Amazon Elastic Load Balancing** in **AWS Cloud** and managed **AWS Storage services** like **S3, EBS** and **Amazon Cloud Front**.
* Involved in release planning with team using **Version One**.
* Analyze and resolve compilation and deployment errors related to code development, branching, merging and building of source code repository using **GIT** version control.
* Involved in the functional usage and deployment of applications in **Web Logic, WebSphere** and **Apache Tomcat Server.**
* Good knowledge and experience on working with **DevOps tools** like **Chef, Puppet.**
* Managing virtual machines using **VMware, AWS.**
* Good understanding of the principles and best practices of Software **Configuration Management (SCM)** in **Agile, scrum,** and **Waterfall** methodologies.
* Expertise in Querying **RDBMS** such as Oracle and **MYSQL** by using **SQL** for Data integrity.
* Experience in managing and setting up Continuous Integration using tools like **Jenkins, Build Bot, Bamboo** and **Electric Commander,** etc.
* Strong knowledge on source controller concepts like **Branches, Merges** and **Tags.**
* Ability in development and execution of **XML, Shell Scripts** and **Perl Scripts**.
* Hands on experience in installing and administrating **CI** tools like **Hudson/Jenkins, Sonar, Subversion, Team foundation server, Accrue** and **Nexus, art factory.**
* Performed integration of **Code Quality Analysis** Techniques like **Check styles, Find Bugs**, **NUnit, Open Cover and PMD with CI tools like Hudson/Jenkins.**
* Good experience in automation tools like **chef**, **Puppet.**
* Good experience in monitoring tools like **Nagios and Splunk, node configuration, cluster maintenance.**
* Good experience in converting **build.xml** into **pom.xml** in order to build the applications using **MAVEN.**
* Work under **SLA** (Service Level Agreement) & **Incident Management (Remedy)** with increases productivity, scalability & performance of application
* Efficient in tracing complex build problems, release issues and environment issues in a multi component environment.
* Expertise in trouble shooting the problems generated while building, deploying and also in production support.
* Excellent communicative, interpersonal, intuitive, analysis and leadership skills with ability to work efficiently in both independent and team work environments.
* Worked with different **Bug tracking** tools like **JIRA, Rally, Remedy, HP Quality Center, Fisheye, Crucible and IBM Clear Quest.**
* 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**

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| --- | --- |
| Operating Systems | Linux, UNIX, Windows XP, Windows NT, Windows 2008, windows 2012, MS-DOS |
| Technology | Devops/Build and Release Management /Quality Testing/ Cloud |
| Languages | Java 1.5, Struts, Servlets, JSP, HTML, JDBC, Hyperion, Ruby, Python, YAML. |
| Other Languages | XML, HTML, XSL, XSLT, CSS |
| Build Tools | Maven, ANT, Anthill, Bamboo, Gradle |
| Scripting | JavaScript, Shell Scripting, Perl Scripting, PowerShell Scripting, SQL Scripting, VB Scripting, Ruby |
| Databases | PostgreSQL, MYSQL 5.0, Oracle SQL Server 2000, DB2 |
| IDE & Dev Tools | Eclipse2.3, My Eclipse 5.1, Rational Application Developer7.0, Toad, Autosys, MS - Team Foundation Server |
| Version Control | GIT, Subversion, SVN, Puppet, IBM- Rational Clear case and Clear quest. |
| Bug tracking & Testing | Manual Testing, HP Quality Center, Bugzilla, Metrix, JIRA |
| Continuous Integration tools | Jenkins, Team city, Cruise control, IBMBigFix |

**PROFESSIONAL EXPERIENCE**

**Client: Benesys, Troy-MI Mar 2017 - Till date**

**Role: Sr. DevOps Engineer**

**Responsibilities:**

* Provided **Configuration Management** and **Build support** for more than 5 different applications, built and deployed to the production and lower environments.
* Experience at DevOps Engineering in automating, building, deploying, and releasing of code from one environment to another environment.
* Defined and Implemented Configuration Management and Release Management Processes, Policies and Procedures.
* Expertise includes shell scripting with focus on DevOps tools, **CI/CD Architecture** and hands-on Engineering.
* Created and automated platform environment setup using **Chef**.
* Experience in **AWS** CloudFront, including creating and managing distributions to provide access to **S3bucket** or **HTTP** server running on **EC2** instances.
* Build infrastructure as a code using Terraform and Cloud Formation Templates **(JSON and YAML)**.
* Deployed **Chef client**, **Chef Bootstrap** for configuration management to existing infrastructure.
* Installing **Pivotal Cloud foundry** in AWS and doing capacity planning for underlying IAAS and **Pivotal Cloud foundry.**
* Deploying them in **Pivotal Cloud Foundry** space.
* Configure server and help build master with Sonar build parameters.
* First line trouble shooting of failed Sonar builds and unit tests.
* Experience with **AWS, Cloud technologies**, Technics and Methodologies.
* Expertise in **Amazon AWS Cloud Administration** which includes services: **EC2, S3, EBS, VPC, ELB, Route 53, Auto Scaling, Security Groups, SNS, SQS** and **Cloud Formation**.
* Created **AWS computing instance Services** like **EC2** and **Amazon Elastic Load Balancing** in **AWS Cloud** and managed **AWS Storage services** like **S3, EBS** and **Amazon Cloud Front**.
* Developed PCF based Microservices to expose the key Identity management features on the cloud.
* Involved in release planning with team using **Version One** and **Jira**.
* Analyse and resolve compilation and deployment errors related to code development, branching, merging and building of source code repository using **GIT** version control.
* Good understanding of open shift platform in managing **Docker** containers using **Docker swarm**, **Kubernetes clusters**, **Apache Mesos**
* Created new build jobs, integration testing jobs and deploy jobs in **Jenkins** to automate the process.
* Configured **Slaves** for **Jenkins Master** to distribute load across all the machines.
* Coordinated resources by working closely with **Project Managers** for release and carried deployments and builds on various environments using Jenkins continuous integration tool.
* Deployed **Docker Engines** in Virtualized Platforms for containerization of multiple Apps.
* Expertise in using **Maven** tool for the building of deployable artifacts such as **jar** and **war** from source code.
* Managed **Maven** project dependencies by creating parent-child relationships between projects.
* Experience in using **Nexus** and **Artifactory Repository Managers** for **Maven** builds.
* Deployed **Java/J2EE** applications on to **Apache Tomcat application servers** in **AWS**.

**Environment:** GIT, Maven, Docker, Sonar Cube, Jenkins, Chef, AWS, Pivotal Cloud foundry, JIRA, Confluence, Shell Scripts, Version One, WebSphere Servers**.**

**Client: DADS, Austin, TX May 2015 – Feb 2017**

**Role: DevOps Engineer**

**Responsibilities:**

* Involved in Setting up Continuous Integration Environment using **Jenkins**.
* Maintaining the version control system (branching model, security), creation and maintenance of build definitions scripts, and the setup of work item areas and iterations.
* Wrote **ANT Scripts** to automate the build process.
* Worked on migration of code repository.
* Used **Shell scripts** to automate the deployment process.
* Responsible for automated Scheduled Builds/Emergency Builds and Release using **ANT scripts** for Enterprise application **(J2EE)** and Worked on **Microsoft .Net Technology Stack**.
* Designed and carried out analytical **GIT** procedures, both simple and/or complex, using various **GIT** software
* Created **GIT** products in a time frame suitable to the end user; solicits user feedback to improve future services.
* Implemented new build automation solutions for new products and provide ongoing support and administration for software build and build automation using **ANT, Jenkins and shell scripting.**
* Developed and Coordinated deployment methodologies **(Bash, Puppet & Ansible)**
* Experience in writing **playbooks** for **Ansible** and deploying applications using **Ansible**.
* Worked on critical, highly complex customer problems that may span multiple **Azure** service.
* Worked on creating custom **azure** templates for quick deployments and advanced PowerShell scripting.
* Configured VM's availability sets using **Azure** portal to provide resiliency for IaaS based solution and scale sets using **Azure** Resource Manager to manage network traffic.
* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
* Assisting developers in integrating their code with the main stream
* Merge conflicting code to ensure release to test environments.
* Create automated build procedures to ensure code is always ready for deployment.
* Create and maintain build scripts using Final Builder to perform builds efficiently.
* Experienced with **JIRA** for defect tracking.
* Created **scripts** in **Python** which integrated with **Azure API** to control instance operations.
* Enjoy playing with tech like **Nginx, haproxy, postgres, Azure, Ansible, docker, and graphite.**
* Coordinated all the IT projects successfully by resolving release interdependencies and planning release.
* Planning, scheduling and documenting releases at code freeze Periods.
* Developed **UNIX Scripts** for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed.
* **Shell scripting** for building and deploying java application to target environments.
* Coordinated with different teams before and after the production deployments

**Environment:** Java/J2EEAnt, Maven, GIT, Jenkins, Ansible, Chef, Puppet, Microsoft Azure, Python, Tomcat, Subversion, JIRA, shell/bash, UNIX, Sonatype Nexus.

**Client: United Health Group, Minneapolis, MN Jan 2014 – Apr 2015**

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

**Responsibilities:**

* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Imported and managed multiple corporate applications into **Subversion (SVN)**.
* Involved in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes
* Written **Make, Maven** and **Ant** build tools for application layer modules.
* Developed build and deployment scripts using Gradle as build tools in **Jenkins** to move from one environment to other environments.
* Built and Deployed **Java/J2EE** to a **web application server** in an **Agile** continuous integration environment and also automated the whole process.
* Created and maintained the **Shell/Perl** deployment scripts for **TC Server/Tomcat** web application servers.
* Developed **Perl** and **shell scripts** for automation of the build and release process.
* Involved in editing the existing **ANT/MAVEN** files in case of errors or changes in the project requirements.
* Perform periodic system audits on all environments to ensure that only controlled versions of software reside all environments.
* Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
* Managed **Maven** project dependencies by creating parent-child relationships between projects.
* Installed/Configured/Managed **Jenkins CI Automation**.
* Responsible for the Plug-in Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* **Jenkins** is used as a continuous integration tool for automation of daily process.
* Installed/Configured and Managed **Nexus Repository Manager** and all the Repositories.
* Created the Release process of the artifacts.
* **JIRA** is used as ticket tracking, change management and **Agile/SCRUM** tool.

**Environment:** Subversion (SVN), Jenkins, Java/J2EE, ANT, MAVEN, CHEF, TC Server, Tomcat, Perl Scripts, Shell Scripts, XML, UNIX, Windows 7, Oracle, JIRA**.**

**Client: Syntel, Pune, India May 2012 - Dec 2013**

**Role: Build &Release Engineer**

**Responsibilities:**

* Experience with **AWS** services (EC2, S3, RDS, EBS, VPC, IAM, Cloud formation, Auto scaling) and provided enhanced security and identity access management (IAM) for AWS account.
* Managed the source codes repository of multiple development applications using Perforce version control tools and involved in Testing - unit testing (**JUnit**) & integration testing **EJB's**.
* Helped customers deploying their applications in AWS cloud using Ops-works, Code deploy, Elastic beanstalk, trouble shooting customer's cloud formation stacks.
* Working on **AWS** Auto Scaling for providing high availability of applications and EC2 instances based on the load of applications by using Cloud Watch in AWS.
* Working on providing **DNS** management using AWS Route 53.
* Worked in configuring Elastic Bean Stalk for developers to quickly deploy application for testing and pushing developed code for testing.
* Created and configured jobs, script builder, custom command builder, agents in **Bamboo.**
* Implemented Continuous Integration and Continuous deployment using various **CI** Tools like **Jenkins, Hudson, and Bamboo** etc.
* Setup up and maintenance of automated environment using **Chef** Recipes& books within environment. Good understanding on **Knife, Chef Bootstrap** process etc.
* Involved in phases of testing for example Integration testing, Smoke testing Performance testing and Load testing. We are also using inbuilt test cases in Jenkins and running those tests on master branch.

**Environment:** Java, Ant, Maven, Jenkins, AWS, Junit, jQuery, XML, Json, Postman Chef, RHEL, Ubuntu.

**Client: Skilled Res., Hyderabad, India Mar 2011- Apr 2012**

**Role: Build Engineer/Java Developer**

**Responsibilities:**

* Responsible for User Management, Plugin Management and End-to-End automation of Build and Deployment process using **Jenkins** and uDeploy.
* Build and deployment scripts **MAVEN** as build tools in Jenkins to move from one environment to other environments.
* Configured Managed and controlled the source code repository, currently housed in Subversion, **Github**.
* Involved in Day-to-Day System Administration tasks on **RHEL/CentOS 5.x/6. x.**
* Monitored, troubleshooting, supported and fixed operating system and hardware problems on several versions of UNIX systems.
* Created test servers using Windows Server 2008 R2. Experience with Active Directory.
* Experience in installing, administering, updating/upgrading ESX/ESXi servers, Virtual Center servers and windows virtual machines using VMware Update manager and manual upgrades.
* Set up V-Motion, High Availability (HA), Distributed Resource Scheduler (DRS), and related VMware products such as VM Workstation.
* Experience in writing bash scripts for job automation.
* Developed a RESTful API that provided account management capability as well as security role lookup and management for all downstream dependencies.
* Involved in coding and testing of B2B financial application.
* Responsible for the design and development of the application framework.
* Designed and Developed UI's using JSP by following **MVC** architecture and **Spring Framework**.
* The views are programmed using JSP pages.
* Model is a combination of **EJB** and Java classes and web implementation controllers are Servlets.
* Used **EJB** for server-side transactions.

**Environment:** Jenkins, Git, Svn, Linux (Red Hat Enterprise, CentOS), Windows 2000/NT, HP, IBM, Solaris, Oracle 8i.