**Vijay Shekar**

**DevOps Engineer**

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**Professional Summary**

* 8 years of experience as a **Build and Release Engineer** with **DevOps** Methodologies as primary focus on **CI** (Continuous Integration), **CD** (Continuous Delivery), Pipeline, Build and Deploy automation.
* Very good understanding of **DevOps** concepts and a critical thinker of its different application areas.
* Good experience in Software Product Development, Process Automation, Build and Deployment Automation, Release Management, Packaging Quality Control, Source Code repository & Environment management.
* In-depth understanding of the principles and best practices of Software Configuration Management (**SCM**) processes, which include compiling, packaging, deploying and Application configurations.
* Develop, enhance and maintain the build, deployment and configurations for **continuous integration** and automate regression and acceptance testing.
* Automate the Build and deploy of all internal **Java** environments using various continuous **integration tools** and **scripting languages.**
* Build clouds with **AWS, AZURE** and Rackspace.
* Experience with Build Management tools like **Ant** and **Maven** along with ability to create, debug, diagnose and troubleshoot build scripts.
* Worked on **Docker container** snapshots , attaching to a running container, removing images, managing directory structures and managing containers.
* Experience in **Linux/Unix** environment (**RHEL, CentOS**, and **Solaris**).
* Implemented Continuous Integration and deployment using various **CI Tools** like **Jenkins**, **Hudson, Bamboo, Chef, Puppet** and **Sonatype Nexus**.
* Experience in working on source controller tools like **GIT, GITHub, Subversion (SVN), TFS Microsoft Visual Studio and Perforce.**
* Experience in Issue Tracking tools JIRA, Remedy, Service Now and HP Quality Center
* In-depth knowledge of computer applications and scripting like **Shell, Python, Perl, Ruby** and **XML**.
* Expertise in Enterprise repository management tools like **Nexus, Artifactory** etc.
* Maintained local team repositories and Organization's central repositories for **Maven**.
* Supported Deployments into PROD & Pre-Prod environments with multiple Application server technologies like **WebLogic, Jboss & Apache Tomcat**.
* Experience with Server Automation and Configuration Management Tools like Puppet, Ansible, and Chef.
* Building and maintaining systems in Windows **Azure** for development and production systems. This applies to standard **VMs** as well as other Azure services.
* Strong knowledge on source controller concepts like Branches, Merges and Tags.
* Develop and configure of Continuous Integration **(CI)** scripts for releases and Enhancing/Maintaining to suite the request from teams across the organization.
* 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.
* Worked in an **agile** development team to deliver an end to end continuous integration/continuous delivery product in an open source environment using tools like **Chef and Jenkins.**
* Expertise in trouble shooting the problems generated while building, deploying and also in production support.
* Experienced in supporting database systems including **Oracle, MySQL on Linux/Unix**, and Windows environment.
* Experience in writing shell scripts to automate the administrative tasks and management using cron and at.
* Team player with excellent interpersonal skills, self-motivated, dedicated and understanding the demands of system maintenance and has good customer support experience.
* Managed environments **DEV, SIT, QA, UAT** and **PROD** for various releases and designed instance strategies.

**Specialties:**

• SCM process automation

• SCM strategy implementation

• Continuous Integration & Continuous Delivery implementation

• Release Process Implementation

• Deployment automation

• Evolving new technologies and methodologies to implement and streamline existing process

**Technical Skills**

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| --- | --- |
| Operating System | Windows, UNIX, LINUX, RHEL/CentOS 5.x/6.x/7,Mac OS |
| Versioning Tools | Subversion, Clear case, GIT |
| CI Tools | Jenkins, Bamboo, Hudson, Chef, Puppet, Ansible |
| Build Tools | ANT, MAVEN, Makefile |
| Bug Tracking Tools | JIRA, Rally, Remedy and IBM Clear Quest. |
| Languages | Java/J2EE , C, C++ and PL/SQL |
| Scripting | Shell scripting, Bash, Python, Ruby, Perl scripting. |
| Web Technologies | HTML, Java Script, XML, Servlets, JDBC, JSP. |
| Web/App servers | Apache Tomcat, JBOSS , Web logic, Web Sphere |
| Database | Oracle 9i/10g, SQL SERVER, MySQL. |

**Work Experience**

**Wellcare Tampa, FL Nov’15-Present**

**Devops Engineer**

**Responsibilities:**

* Worked on installation, configuration and maintenance **Debi an/Redhat, CentOS** and Suse Servers at multiple Data Centers.
* Automated the installation, deployment and maintenance of Middleware Application Servers to **RHEL** Development and Test Environments.
* Developed screens using **HTML5, CSS, JavaScript, JQuery** and **AJAX** taking advantage of the framework AngularJS.
* Maintained all security, policies and project aspects of entire code base using Team Foundation Server 2008 integrated functionality, **TFS** Power Tools, and Team Foundation Sidekicks
* Designing and implementing for fully automated server build management, monitoring and deployment By Using DevOps Technologies like **Chef**.
* Experience in AWS **Ansible** Python Script to generate inventory and push the deployment to.
* Experience working on several **Docker** components like Docker Engine, Hub, Machine, Compose and **Docker** Registry
* Managed the configurations of multiple servers using **Ansible**.
* Creating **Amazon EC2** instances using command line calls and troubleshoot the most common problems with instances and monitor the health of Amazon EC2 instances and other **AWS services.**
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using Chef.
* Converted old builds using **MAKE** to **ANT** and **XML** for doing Java build.
* Installed and administered GIT source code tool and ensured the reliability of the application as well as designed the branching strategies for **GIT**.
* Deployed and configured Git repositories with branching, forks, tagging, merge requests, and notifications.
* Dealt with troubleshooting issues like Server hang, keep alive threads, **HTTP threads**, Application Deadlock, Perm Gen space, Out of Memory Issue, High memory usage and High CPU.
* Converted and automated builds using **Maven** and **Ant.** Scheduled automated nightly builds using Jenkins.
* Resolving merging issues during build and release by conducting meetings with developers and managers.
* Involved in writing and editing the existing **ANT (Build.XML)** files in case of errors or changes in the project requirements.
* Experience working with **AWS** Cloud computing and launching Instances and automation of administration roles.

**Environment:** AWS, Docker, TFS, Apache ANT, Apache Tomcat, Ansible, GIT, Maven, Jenkins, Docker, Shell, Bash, Ruby, Unix/Linux, Windows, Web Sphere, Chef, ActiveMQ, Oracle 11g, RDS, Nexus, sensu, Splunk, logstash, OneOps, RHEL 4/5/6, CentOS, Java J2EE, Jira.

**Carters Atlanta, GA May’14-Sep’15**

**Devops Engineer**

**Responsibilities:**

* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Installing **Red Hat Enterprise Linux 5.x/6.x, CentOS** and installing packages, patches for Red Hat Linux servers, administrator of Red Hat Satellite Servers to avoid outage and developed strategies for enhanced system resource utilization.
* Implemented new projects builds framework using **Jenkins & maven** as build framework tools.
* Experience working on **Docker** hub , creating Docker images and handling multiple images primarily for middle-ware installations and domain configurations.
* Administration of **RHEL** 4, 5, 6 and **Solaris** 9, 10 which includes installation, testing, tuning, upgrading and loading patches, troubleshooting server issues.
* Experience in setting up Team Deploy for **TFS** to perform deployments as a post build task.
* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **GIT** source control.
* Worked on Installation/Configuration/Administrated VMware ESXi 5.1/5.5 & 6.0 and migrated existing servers into VMware Infrastructure.
* Installed/Configured/Managed **Puppet** Master/Agent. Wrote custom Modules and Manifests, downloaded pre-written modules from puppet-forge. Up gradation or Migration of Puppet Community and Enterprise.
* Implemented multi Node OpenStack KILO Architecture on KVM Using Latest Release of Ubuntu with Services like Horizon, Nova, Neutron, Glance, Cinder, Keystone & Swift.
* Create/Maintain custom build scripts in **Java/Perl**. Develop Rational ClearQuest schemas and tailored the tools with custom Perl and **VB Scripts**.
* Hands on experience in automating builds and deployment process using Shell scripting.
* Developed scripts using **RUBY,** **PERL, BASH** and BATCH files for Automation of Activities and builds.
* Imported and managed multiple corporate applications into **GitHub** code management repo.
* Insure impact of software releases to system performance and resource utilization of distributed and mainframe platforms are acceptable during load testing.
* Used the Application Server Admin (**JBOSS/ Tomcat**) to manage the systems remotely using Puppet and using Linux.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.

**Environment:** Linux (RHEL 5.x/6.x), Solaris 10/11, RedHat Satellite Server, AWS, TFS, Puppet 3.x, Jenkins 1.x, WebLogic 11, WebSphere 7.0/8.0, Shell Scripting, Ruby, VMware ESXI 4.x & 5.x, Apache 2.x, Apache Tomcat 6.x/7.x, GIT, Nagios 4.x/5.x.

**Texas Mutual Insurance Irving, TX Apr’12-May’14**

**Build & Release Engineer**

**Responsibilities:**

* Performed software configuration/release management activities for three different Java applications.
* Designed and implemented Continuous Integration process using tools like Hudson with approval from development and other affected teams. Defined processes to build and deliver software baselines for internal as well as external customers.
* Converted old builds using **MAKE** to **ANT** and **XML** for doing Java build.
* Created and maintained built wrapper scripts using **PERL.**
* Build Java code and **.NET** code on to different Jenkins servers as per the schedule.
* Migrating **J2EE, PHP, .NET,** and Cold Fusion applications to UNIX and Windows environments by configuring application via **IDE Eclipse**, Subversion, and **AnthillPro.**
* Configuring AnthillPro as a common build engine to build and promote applications to DEV, QMG, UAT, PROD, and DR to UNIX environments.
* Working closely with Web Administrators to setup an automated deployment for SharePoint applications using Anthill and **SVN Tools**.
* Maintained and executed build scripts by coordinating with development and QA teams.
* Deployed the EAR and WAR archives into **WebLogic** and **Apache Servers.**
* Configured and Maintained Apache web servers for Release Management Team's internal use.
* Provided assistance to developers in resolving problems.
* Created and Maintained Subversion repositories, branches and tags.
* Enforced development policies using Subversion hooks and other metadata.
* Monitor progression of releases and keep them on track for delivery on planned release date.
* Assemble Release Kit and complete all paperwork, including implementation/back out plans.

**Environment:** Java, .Net, MYSQL,PHP, Ant, Jenkins, Web Logic, ClearQuest, AntHillPro, Subversion, XML, UNIX ,VB & Python scripting, MS SharePoint.

**Sun Trust Bank Atlanta, GA Dec’10-Feb’12**

**Build & Release Engineer**

**Responsibilities:**

* Maintained source code repository in subversion and handled branching, tagging & merging process.
* Worked closely with Business analysts and Project managers to meet release and build schedule deadlines.
* Designed Continuous Build Process using **Jenkins** to prevent build failures.
* Maintained Consistent and continuous integrated build deployment processes, automation and feedback loop using operational use of tool **UDeploy**.
* Migrated a number of in house **shell scripts** that supported deployment and configuration of multiple applications to UDeploy (Urban code) to reduce the administrative overhead of QA and production releases. This also included implementing team security, common processes and approvals.
* Designed versioning strategy in **TFS 2010** to support parallel development for multiple releases.
* Automated build process by defining build definitions and customizing XAML files
* Implemented continuous integration using the Jenkins to track and build every source code change.
* Created and setup automated nightly build environment for Java projects using ant scripts.
* Deploying Rational Tools on **IBM** and/or client hosted environments.
* Suggested and implemented the process of nightly builds and auto deployments for fast paced applications.
* Studied the current build and release process and automated the process using **shell scripts**.
* Debugged Build failures and worked with developers and QA people to resolve the related issues.
* Perform various builds for the **Dev, QA**, staging and Production Environments.
* Automated the deployments of application to the Web Server and Application Server.
* Managed builds and made necessary changes to **Ant build** scripts for **Java/ WebSphere** based applications.
* Supported development engineers with Configuration Management issues.
* Assisted development leads and Project Leaders in technical and configuration management issues.
* Worked under an environment that has a good defect tracking system through the use of Manual Test and Test Manager.
* Documented release, builds and source control processes and plans.   
  **Environment:** Subversion, TFS 2010 Jenkins,.Net, Apache Ant, WebSphere, Web logic, IBM RTC, C++, Java, Windows, Unix scripting, Redhat Linux.

**Avantael Softech Ltd, India Jun’08-Aug’10**

**Unix/Linux Administrator**

**Responsibilities:**

* Installed, upgraded and configured **Red Hat Enterprise Linux 4/5/6.**
* Configuration and administration of **DNS, LDAP, NFS, NIS** and NIS+ on Red Hat Linux.
* Hands on experience working with production servers at multiple data centers.
* Automated server building using Kickstarting **RHEL 6** and Jumpstarting **Sun Solaris 10.**
* Troubleshooting production servers and configuring standalone production server for testing.
* Configured yum repository server for installing packages from a centralized server.
* Created local repository in yum.repos.d to run packages using yum, rpm and up to date.
* Configured and managed **SELinux** (Linux Firewalls) and allowed appropriate ports with help of iptables.
* Installed and configured **DCHP** server in Linux to give IP leases to production servers.
* Management of Red Hat Linux user accounts, groups, directories and file permissions.
* Configured, managed **ESX VM's** with virtual centre and VI client.
* Performed Kernel tuning with the sysctl and installed packages with **yum** and **rpm.**
* Performed Disk management with the help of LVM (Logical Volume Manager).
* Configuration and Administration of **Apache Web Server** and **SSL**.
* Backup management using **CRONTAB**, running the backup based on client requirements.
* Password-less setup and agent-forwarding done for SSH login using ssh-keygen tool.
* Established and maintained network users, user environment, directories, and security.
* Documented testing procedures and steps involved in data migration on production servers.

**Environment:** RHEL 4/5, CentOS 4/5, Fedora 9/10/11(beta), Ubuntu 8.10/9.04 Server, Debian SID, Vmware ESX, Veritas File System, Veritas Volume Manager, Veritas Cluster Server.