**Raja Vesangi**

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**DevOps/ Release Engineer**

**PROFESSIONAL EXPERIENCE:**

* Eight plus Years of experience in IT industry as **DevOps/ Agileoperations, LinuxAdministrator, Build/Release Management, Change/Incident Management and Cloud Management.**
* Experience in **Linux Administration** (Installation, Configuration, Tuning and Upgrades of Linux (RedHat and Oracle).
* **AWS** Cloud platform and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, EBS, CloudWatch, Cloud Trail, CloudFormation AWS Config, Autoscalling, CloudFront, IAM, S3, R53.**
* Experience on Virtualization technologies like **VMware VSphere &XEN**.
* Experience on **Openstack** tools like **platform9**
* In-depth understanding of the principles and best practices **of Software Configuration Management (SCM) processes**, which include compiling, packaging, deploying and Application configurations.
* Extensively worked with Version Control Systems **CVS, SVN (Subversion), GIT**.
* Extensively worked with automation tools like **Hudson, Jenkins** and **Build Forge** to implement the End-to-End Automation.
* Expertise in using builds tools like **MAVEN and ANT** for the building of deployable artifacts such as war & ear from source code. Application Deployments & Environment configuration using **Puppet & Chef**.
* Experience with Linux/UNIX environments and **scripting for Build & Release automation.**
* Administered and Implemented CI tools Hudson and **Jenkins** for automated builds.
* Configured and Administered **Nexus Repository Manager** and **Jfrog Artifactory.**
* Experience writing **Shell and Perl scripts** to automate the deployments.
* Experience using RPMs to effectively package the applications for product deployments
* Experience is using **Tomcat, GlassFish, Weblogic and WebSphere** Application servers for deployments.
* Managed environments **DEV, QA, UAT and PROD** for various releases and designed instance strategies
* Ability to work closely with teams, in order to ensure high quality and timely delivery of builds and releases.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.
* Good knowledge on **ITIL** Process and have worked on coordinating releases across the projects.

**TECHNICAL SKILLS:**

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| Operating systems: | Linux (Red Hat 4/5/6), UNIX, Ubuntu, Fedora, CentOS, Windows NT/2000/2003,7, Macintosh. |
| ***Cloud Technologies:*** | OpenStack, AWS (EC2, S3, EBS, RDS, ELB,  IAM, AMI, AutoScaling). |
| ***Web Technologies:*** | Tomcat, APACHE 2.x, 3.x, F5 Load Balancers, Web Logic (8/9/10) & Web Sphere 4.0/5.0, Glassfish. |
| ***Networking:*** | TCP/IP, NIS, NFS, DNS, DHCP, Cisco Routers/Switches, WAN, SMTP, LAN, FTP/TFTP. |
| ***Programming Languages & Configuration Management Tools:*** | Python, Shell Scripting, Java, HTML, Ruby, Jenkins, Anthill Pro, Maven, Ant, CVS, Git, SVN, Puppet & Chef. |
| ***Monitoring, Alerting:*** | Nagios, Keynote, MRTG, LogStash & Platform9. |
| ***File Systems & Virtualization:*** | XEN, VMware VSphere & Docker. |

**PROFESSIONAL EXPERIENCE:**

**DevOps/ Linux Administrator**

**Castlight Health - SanFrancisco, CA   
March 2015 –Current**

***Responsibilities:***

* Built and managed a large deployment of RedHat Linux instances systems with Chef Automation and provision virtual servers using vagrant and kitchen in Oracle VM virtual box, provisioned servers in Amazon EC2.
* Creating the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.
* Responsible for Design of different Release Environments for new projects.
* Implementing new projects builds framework using Jenkins & maven as build framework.
* Implementing a Continuous Delivery framework using Jenkins, Chef, Maven & Nexus in Linux environment
* Managed Chef cookbooks to automate system operations.
* AWS Cloud management and Chef automation
* Integration of Maven/Nexus, Jenkins, Urban Code Deploy with Patterns/Release, Git, Confluence, JIRA and Cloud Foundry
* Using Jenkins AWS CodeDeploy plugin to deploy to AWS
* Defining Release Process & Policy for projects early in SDLC.
* Member of CCM representing changes for Release and environment configuration
* Responsible for nightly and weekly builds for different modules.
* Responsible for code build, release and configuration
* Perform Deployment of Release to various QA & UAT in Linux environments.
* Optimized volumes and EC2 instances
* Created multi AZ VPC instances
* Used IAM to create new accounts, roles and groups
* Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier
* Configured Elastic Load Balancers (ELB) with EC2 Autoscalling groups
* Created monitors, alarms and notifications for EC2 hosts using CloudWatch
* Migrated applications to the AWS cloud
* Work with different team members for automation of Release components.
* Scripting in multiple languages on UNIX, LINUX and Windows - Batch, Shell script etc
* Troubleshoot the build issue during the Jenkins build process.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.

**DevOps / Linux Administrator**

**T-Mobile – Seattle, WA.   
March 2013– Feb’ 2015**

***Responsibilities:***

* Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI’s (Linux/Ubuntu) and configuring the servers for specified applications.
* Created and maintained continuous integration (CI) and continuous deployment (CD) environments to facilitate an agile development process which is automated and repeatable enabling teams to safely deploy code many times a day while ensuring operational best practices are supported.
* Setup up and maintenance of automated environment using Puppet modules with in AWS environment.
* Designed and built a continuous integration and deployment framework for Puppet Code using test driven development.
* Experience designing, building, maintaining, and coordinating an automated build/release process using Git, Jenkins, Docker.
* Having ample experience in load balancing and monitoring with Nagios.
* Worked on Redhat5.x and 6.x, SUSE Linux 10.x, Microsoft SCOM hardware platforms and in VMware VSphere client 5.x virtual environment.
* Installing, configuring and maintaining RHEL 5.x, 6.x physical and virtual server.
* Worked on Grub, PXE boot, Puppet, Kick start, Packages, Yum, RPMs, LVM, Boot from SAN, file system configuration.
* Building RHEL 5.x, 6.x and SUSE Linux 10 as a 4-node cluster from scratch using HPSA tool.
* Creating and configuring user accounts and DNS entries.
* Writing shell scripts to accomplish day-to-day system administration task.
* Troubleshooting Hardware and Operating system related issue.
* Managed VMware Infrastructure/vSphere5 clusters on Test/Development environments.
* Involved in configuring network bonding and troubleshooting networking issues.

**Release Engineer**

**Marketlive –Pataluma, CA   
March 2010– Jan 2013**

***Responsibilities:***

* Deployment of tested code (Developer & QA) to staging and production environments through the proper process.
* Deploying tested /developed code for the Review environment on demand or to test the basic functionality when required.
* Experience with the source control system's Ex: Subversion
* Automate the Deployment process through Apache Ant.
* Management of nodes via Jenkins GUI tool to provide load balancing for production deployments in peak time.
* Trouble shoots the build issues by analyzing the logs.
* Configuration and Maintenance of Build systems.
* Work on with build tool: Apache Ant
* Troubleshooting configuration issues in Jenkins
* Automating the review/Prelaunch deployments by using Jenkins.
* Rollback the staging/production deployments when critical issues reported through proper channel.
* Managing the SCM (Subversion) with required Version and merging the code changes to trunk.
* Creating New project workflows and managing existing workflows in Jenkins/Anthill Pro.
* User Administration in Jenkins/Anthill Pro.
* Creating Branches when the developer / client requested from the main source code directory (trunk).
* Deploying branches to review environment to check with the issues reported by the client.
* Closely working together with Dev/DBA/MS/QA teams to full fill the deployment pipeline.
* Performing hot deployments (Hot\_fixes) to Staging/Production environments on demand to fix critical issues.
* Performing a smoke test on live sites after the completion of deployment.
* Handle the manual deployments and troubleshooting.
* Driving the Incident call when critical issues happened during the deployment.
* Collecting Deployment logs for analysis.

**Build and Release Engineer**

**Triniti Advanced Software Labs - India**

**June 2007 to February 2010**

***Responsibilities:***

* Worked closely with the Development Team in the design phase and developed use case diagrams using Rational Rose.
* Worked with the Architects on SDLC process being the owner of post development environments.
* Coordinating the resources by working closely with Project Manager's for the release and Project Manager for all the Operational Projects.
* Carried Deployments and builds on various environments using continuous integration tool.
* Source code configuration tools Subversion and GIT used for different projects.
* Developed and implemented the software release management for the release of web applications.
* Wrote ANT and MAVEN Scripts to automate the build process. Configured Bamboo for doing the build in all the non-production and production environments.
* Used Shell to automate the deployment process.
* Performed Load/Functional testing using Mercury Load runner and HP QTP.
* Designed a customized Status Reporting tool used currently, based on the specific requirements using J2EE/Struts and Websphere Application Server with DB2 as Database.
* Coordinated all the IT projects successfully by resolving release interdependencies

**EDUCATION & CERTIFICATIONS:**

* Bachelor of Technology in Computer Science and Engineering, JNTU, India
* Cisco Certified Network Associative (CCNA) - CSCO11829714.