DEVA SURESH VEGESNA

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**PROFESSIONAL SUMMARY:**

* 8 years of experience in IT industry comprising of Development, Systems Administration and Software Configuration Management (SCM), Build/Release Management, DevOps, Infrastructure Automation and Change/Incident Management.
* Experience in creating the company's DevOps strategy in a mix environment of Linux (RHEL, Ubuntu, CentOS) servers along with creating and implementing a cloud strategy based on Amazon Web Services.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum, and Waterfall methodologies.
* Expertise in release automation for java and dotnet technologies to achieve continuous integration and continuous delivery (CI and CD).
* Certified AWS Developer Associate with 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.
* Expertise in using Amazon AWS API tools like: Linux Command line, puppet integrated AWS API tools.
* Involved in configuring and integrating the servers with different environments to automate provisioning and creating new machines using CM/ Provisioning tools like Chef and Puppet.
* Experience with Configuration Management Tools (CHEF, PUPPET).
* Good understanding of DockercontainerizationTool.
* Experience in installing and administrating CI tools like Hudson/Jenkins, Subversion and GIT.
* Experience in developing deployment workflows including prerelease, release and post-release steps inNolio.
* Automating Deployment of Servers on ESXI and Cloud.
* Managed servers and provisioned environment on the Amazon Web Services (AWS) instances using Chef Configuration management.
* Performed integration of Code Quality Analysis Techniques like Check styles, Find Bugs, Nunit, JUnit, with CI tools like Hudson/Jenkins.
* Proven ability in automation using ANT, PERL scripts, Shell Scripting in a continuous build environment.
* Expert in managing Sonatype Nexus/Artifactory repositories for the maven artifacts and dependencies.
* Responsible for writing Manifests to configure nodes and Using Bitbucket.
* Strong understanding of JAVA project structures along with SoapUI.
* Experience in deploying JAVA projects and automating builds using MAVEN/ANT and JENKINS
* Good understanding of building Android Applications using the Maven and Jenkins.
* Experience with monitoring and management tools like NAGIOS, SPLUNK.
* Experienced in Installing, Upgrading, Patching, Configuring and Administrating Red Hat Linux.
* Strong skills in managing Red Hat Linux servers, Virtualization, and system security.
* Extra ability to approach in virtualization technologies like OVM, VMWare, Xen.
* Supported installation of Oracle database (RAC) on Linux servers associated with DBAs.
* Experience with Apache/Tomcat, Load Balancer (Apache) and expertise in making configuration changes.
* Experience automating Linux system provisioning with kickstart, DHCP, TFTP.
* Involved in comprehensive documentation for MIcroservices and applications supporting change management process.
* Used Docker to deploy Microservices on AWS through a continuous integration process with Jenkin.
* Knowledge in load balancing and setting up load balancer and firewall rules in and enterprise environment.
* Proficient in Redis and MongoDB along with NOSQL strategies.
* Strong ability in Knowledge of network and web related protocols like TCP/IP, HTTPS along with the routing protocols.
* Capable of handling multiple tasks and work effectively both in a group and as an individual to meet deadlines.

**TECHNICAL SKILLS:**

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| **Operating Systems** | UNIX, Linux, Windows, Solaris |
| **Infrastructure as A service** | AWS, Azure |
| **Virtualization Platforms** | Virtual Box, Vagrant |
| **Configuration management** | Chef, Puppet |
| **CI, Test & Build Systems** | Ant, Maven, Jenkins, Bamboo, Rundeck, IBM UrbanDeploy |
| **Application/Web Servers** | Oracle Web logic Server 11g, Apache Tomcat, Oracle Application Server 10g BEA WebLogic 8.1/9.2, WebSphere, JBoss, Tomcat, IIS |
| **Scripting Languages** | Bash, Perl, Ruby, Shell |
| **Languages** | C, C++, XML, Java, Python |
| **Logging & Monitoring Tools** | Splunk, Logstash, Nagios |
| **Databases** | Oracle 10g/11g, MongoDb, MySQL, NoSQL, Dynamo DB |
| **Version Control Software** | Subversion, Git, Perforce, Clearcase |

**WORK EXPERIENCE:**

**Motorola Solutions - Schaumburg, IL Apr 2015- Till Date**

**Sr. DevOps/SCM Engineer**

Motorola Solutions, Inc. is a provider of communication infrastructure, devices, accessories, software and services. The Company operates through two segments: Products and Services. Its Products segment offers a portfolio of infrastructure, devices, accessories and software. The Products segment has two product lines, including Devices and Systems.As a DevOps Engineer responsible for support and administration of the DevOps suite of tools used for automation of builds, deploys and testing.

**Responsibilities:**

* Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* Worked closely with Project Managers to discuss code/configuration release scope and how to confirm a release was successful.
* Build, managed, and continuously improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Managing the code migration from TFS, CVS and Star team to Subversion repository.
* Implemented continuous integration automated build pipelines using Jenkins.
* Worked with AWS EC2 instances and Docker to run applications with cluster management.
* Worked on Dockerfiles to create custom images from base images on Dockerhub.
* Created and Configured EC2 instances on AWS by setting up security groups.
* Configured Elastic load balancers and Autoscaling groups to spin up EC2 instances in multiple Availability zones to ensure fault tolerance and high availability.
* Created snapshots of the Amazon Machine Images (AMI) to create backups and spin custom images on instances automatically.
* Installed MongoDB with multiple instances on servers, maintained MongoDB databases with regular snapshots and backups.
* Created services to store and retrieve user data from the MongoDB for application use on device.
* Worked on Cassandra and Oracle Databases there by connecting different environments to these databases in lower and production environments.
* Created repositories according the structure required with branches, tags and trunks.
* Used sub modules in the GIT and educated users working with sub modules in GIT.
* Configured plugins for the integration tools to the version control tools.
* Worked with the developers to configure plugins trough Eclipse to develop the code.
* Involved in migration of Bamboo server, Artifactory & Git server.
* Responsible for writing Hooks and Triggers using Perl. Built Java application using ANT.
* Developed unit and functional tests in Python and Ruby.
* Developed and maintained Perl/Shell scripts for build and release tasks.
* Integrated Maven with Jenkins for the builds as the Continuous Integration process.
* Build Java code and .NET code on to different Jenkins servers as per the schedule.
* Maintained JIRA for tracking and updating project defects and tasks.
* Managed and document all post deployment issues utilizing the Post Deployments Issue Log.
* Strong in building Object Oriented applications using C++ and Java, writing Shell Scripts and Perl Scripts on UNIX.
* Organized a daily stand-up post-deployment meeting to review all issues being tracked. Ensure every issue has an owner and that it is resolved while capturing the specific details about the issue, resolution and which organizations and individuals provided the resolution.
* Documented all post-deployment issues in a log and assist in resolving these issues where applicable, maintaining timely updates within the log. Manual and Automation process of creating branches tags and code merging.
* Ensured all steps are successfully completed and document their completion times and issue logs.

**Environment:** Perl Scripting, Shell Scripting, Subversion, Perforce, Hudson, Jira, Docker, Bamboo, GIT,(WAS), Web services, Web Logic, AWS, MongoDB, Puppet, Test Director, Mercury, Quality center, Visual Build, .Net, ANT, TFS 2008/2010(Team Foundation Server), Cassandra, Jenkins, J2EE, Web sphere.

**Lincoln National Corporation - Radnor, PA Jan 2014 - Mar 2015**

**DevOps Engineer**

Lincoln National Corporation is a holding company, which operates insurance and retirement businesses through subsidiary companies. The Company sells a range of wealth protection, accumulation and retirement income products and solutions, through its business segments.I am responsible for ensuring high-quality features and content get to the end users in an agile way by putting the customer experience first. Devops works to keep the barriers between QA, Development and Operations/Delivery as low as possible. In many cases, we accomplished this by implementing automation and orchestration tools.

**Responsibilities:**

* Defined and Implemented CM and Release Management Processes, Policies and Procedures.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using Chef.
* Expertise in installing, configuration and administration of Tomcat and Web Sphere. Understanding of cloud based deployments into Amazon EC2 with Chef.
* Setup and Configuration of Chef Configuration Management.
* Subversion administration for taking the builds using Chef Management.
* Experience in managing virtual instances and disks using Chef
* Deployed Chef Dashboard for configuration management to existing infrastructure.
* Have an Experience in AWS Network administration AWS instance monitoring, troubleshooting, deployment optimization, root cause analysis and preparing documentation.
* Involved in setting up DynamoDB database in AWS with required throughput and multi-availability zones.
* Configuring the Docker containers and creating Docker files for different environments.Virtualized servers using Docker for test environments.
* Wrote Python modules to view and connect the Apache Cassandra instance.
* Designed Chef Cookbooks and Recipes to manage configurations and automate installation process.
* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using GIT source control.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds.
* Continuous Delivery is being enabled through Deployment into several environments of Test, QA, Stress and Production using Jenkins.
* Hands on experience in automating builds and deployment process using Shell scripting.
* Maintained build related scripts developed in ANT and Shell. Modified build configuration files including Ant's build.xml.
* Analysed the builds using the sonarQube.
* Managed and monitored the server and network infrastructure using Nagios and Splunk.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Provided end-user training for all GITHub users to effectively use the tool.
* Automate the builds and deployment of JAVA projects using ANT and Jenkins.
* Collaborated with a team and directed portions of an OAuth security integration under the OSLC specifications.
* Implement, maintain and support reliable, timely and reproducible builds for project teams.
* Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
* Created and maintained user accounts, roles on MySQL, production and staging servers.

**Environment**: CI/CD, AWS, Jira, Jenkins, Chef, Docker, Apache, python, Nginx, MySQL, Ant, SVN, Nagios, SonarQube.

**Humana Inc., Louisville, KY Sep 2012 - Dec 2013**

**Sr. SCM Engineer**

Humana Inc. is a health and well-being company. The Company's segments include Retail, Group, Healthcare Services and Other Businesses. The Retail segment consists of Medicare benefits, marketed to individuals or directly via group accounts, as well as individual commercial fully-insured medical and specialty health insurance benefits, including dental, vision, and other supplemental health and financial protection products.

**Responsibilities:**

* SCM Engineer for a team that involved five different development teams and multiple simultaneous Java/J2EE software releases.
* Developed and implemented Software Configuration Management strategies for various applications according to the agile process using Git/GitHub.
* Imported and managed multiple corporate applications in Git.
* Created Git workflows and appropriate meta-data, performed merges, and executed builds on a pool of dedicated build machines.
* Defined and implemented build and deployment strategies for all applications.
* Developed and maintained UNIX/Perl/ANT scripts for Java/J2EE build and release tasks.
* Involved in editing the existing ANT files in case of errors or changes in the project requirements.
* Built a comprehensive PERL script, which would call the required ANT scripts and notify the build distribution team in case of Build errors or Completion of the builds.
* Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
* Configured and maintained Jenkins and Maven with Git for automated build and release.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugin.
* Worked with development team to migrate Ant scripts to Maven.
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Used maven profiles to create different builds so that it can be released early and released often agile/extreme programming.
* Installed Jenkins and Nexus, Performed troubleshooting during the build failures.
* Researched and implemented code coverage and unit test plug-ins with Maven/Jenkins.
* Created and maintained the Shell/Perl deployment scripts (Java/J2EE projects) for WebLogic and UNIX servers.
* Administered JIRA workflows, permission schemes, notifications schemes and screen schemes.
* Integrated JIRA with Git, Confluence, Stash, Crucible and Jenkins.
* Provided support for Jira including Jira Agile, Jira add-ons associated plug-ins and extensions.
* Automated the cloud deployments using chef, python
* Coordinated in CCB establishment and also conducted Status Accounting and audits for the projects.
* Studied impact analysis of change requests/defects and made reports to discuss with CCB.
* Documented project’s software release management procedures with input decisions.
* Developed, maintained, and distributed release media and release notes for each scheduled release.
* Provided periodic feedback of status and scheduling issues to the management.

**Environment:** Git, UNIX, Perl, ANT, Jenkins, Maven, Nexus, JIRA, Confluence, Stash, Crucible.

**West Field Insurance – Westfield Center, OH Jun 2010 - Aug 2012**

**DevOps Engineer**

West Field Insuranceis one of the top agribusiness insurers in the US, the company offers commercial and personal property/casualty insurance to customers in about 20 states and surety services to customers in just over 30 states. Westfield Insurance also offers banking services through Westfield Bancorp (dba Westfield Bank) as well as title and broker services.

**Responsibilities:**

* Trained developers in the use of TortoiseSVN and WebSVN as GUI clients for Subversion.
* Performed merging from development to parent branches prior to building the code.
* Set up the build and deployment scripts using Anthillpro for .NET applications using IIS7 and ISS6.
* Setup the build and deployment scripts using Anthillpro for J2EE and Java applications using Web logic Application Server and ALSB.
* Built a comprehensive PERL script, which would call the required Make files and notify the build distribution team in case of Build errors or Completion of the builds.
* Worked in creating Websphere Application Server Clustered Environments and handling Load Balancing for QA, UAT and Production.
* Setup the builds scripts to generate reports for JUNIT Tests results, Cobertura Code Coverage results.
* Installed and configured Subversion server on Linux via the Apache Web Server to provide access over the Http protocol.
* Extensively used Ant, Maven, Perl and Bash Scripts for automating build and release tasks.
* Implemented Shell and Perl scripts for release and build automation. Manipulated and automated scripts to suit requirement.
* Demonstrated experience in the Web and Application server administration with good knowledge of Apache and JBoss Application Platform products.
* Proficient in deploying and support applications on Websphere, Tomcat, Weblogic application servers Used Shell/Perl scripts 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.
* Built, configured and supported Application team environments.
* Worked with Development Team Leads and testing teams to establish a build schedule, execute the builds and troubleshoot build failures, if any.

**Environment:** Solaris, Unix, C++, Java, Eclipse, Ant, Websphere Application Server (WAS), CVS, SmartCVS, Cygwin, Microsoft Visual Studio, MS Build, Test Director, Hudson, Quality center, WSAD.

**Union Pacific Corporation - Omaha, NE Mar 2009 - Apr 2010**

**Release Automation Engineer**

Union Pacific Corporation operates through its principal operating company, Union Pacific Railroad Company. Union Pacific Railroad Company links approximately 20 states in the western two-thirds of the country by rail, providing link in the supply chain. The Company's business mix includes agricultural products, automotive, chemicals, coal, industrial products and intermodal.SCRM project team defines the release management process, building of all projects and deployment of all projects for all the applications throughout the organization.

# Responsibilities:

* Automated Release process of all the projects across the Shield Advance Business Unit using Hudson Tool.
* Thoroughly worked with jdk 1.5 and jdk 1.6 projects on Unix and Windows to automate the Build Process.
* Extensively worked with .Net 2.0 and .Net 3.5 projects to automate the build process using DEVENV & MSBUILD.
* Worked with Database Projects (Oracle and DB2) to automate the Checkout and deployment process.
* Developed the Library jobs which are reusable for all projects.
* Created Step pre-conditions, Job pre-conditions used across the projects.
* Thoroughly implemented Backup and Restore process for all the projects.
* Implemented automated scripts for xls and xml Parsing using Java which are are reusable across all the projects.
* Involved in the packaging of the Production artifacts.
* Co-ordination of Daily BLDINT deployments, Weekly QA, UAT, Monthly Stage and Production deployments.
* Implemented the process template documents for various applications for build and deployment process.
* Preparing the Release documents and Notifications.
* Demonstrated Anthillpro implementation for the existing projects and automated build and deployment process.
* Supporting the Hudson Maintenance Projects across the organization.
* Implemented Ant scripts to build and package the artifacts.

**Environment:** Oracle, WebSphere, Apache, Subversion (SVN), IBM Rational ClearQuest, SCM, ANT, MAVEN, Shell (bash), SQL.

**CEL Stream Technologies – Bangalore, India June 2008 - Feb 2009**

# UNIX System Administrator

# Responsibilities:

* Managed and carried out system maintenance, hardware replacements and upgrades. Performed system patch and software analysis, installs and configuration.
* Installed and Configured RHEL 3/4/5 on Intel and AMD hardware
* Participated in upgrading and migrating to newer versions.
* Perform Linux Kernel tuning for web, database and application servers.
* Installed and configured Apache Web server and integrated with WebLogic server […]
* Writing shell scripts for Automated Back- ups and Cron Jobs using sh and bash.
* Managed user accounts and groups for corporate Linux users.
* Managed and support corporate Linux Development servers.
* Responsible for OS installs, system configuration and upgrades.
* Manage and perform change control and administration on application servers, web servers, and database servers in company's mission critical production, staging and development environments.

**Environment:** Rhel 3/4/5, Oracle, WebSphere, Apache, Subversion (SVN), IBM Rational ClearQuest, SCM, ANT, MAVEN, Shell (bash), Java/J2EE, Linux, SQL.