**Sunil k**

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**PROFESSIONAL SUMMARY:**

* **Over 8+ years of supporting Build Pipelines Release Management, Software Engineer, configuration management (Infrastructure as a code) and cloud computing.**
* Having experience in writing many **ad-hoc scripts** using many popular different languages like **Python**, **Ruby** and **Shell based scripting**.
* Solid understanding of Software Development Life Cycle like **Waterfall** methodology and **Agile** methodology and **Scrum**.
* Self-starter with an in-depth level of understanding in the strategy and practical implementation of **AWS cloud-specific** and **OpenStack** technologies.
* Experience Developing Web applications using Core Java, **J2EE,** Struts, **Hibernate** and Spring MVC.
* Using Hibernate for the backend persistence.
* Extensive experience of working in Test driven development (**TDD**) and Agile development environment.
* Hands on experience in **AWS provisioning** and good knowledge of **AWS services** like **EC2**, **S3**, **Route 53**, **Cloud Formation**, **Elastic Bean Stalk**, **VPC**, **EBS**etc, Knowledge of application deployment and data migration on **AWS**.
* Develop automation and processes to enable teams to deploy, manage, configure, scale and monitor their applications in data centers and in **cloud**.
* Proficiency in authoring and managing **configuration management frameworks**, such as **Chef**, **Puppet**, **Ansible** and **Vagrant**.
* Good experience in managing **Sonatype Nexus/artifactory** repositories for the maven artifacts and dependencies. Ability in development and execution of **XML, Shell Scripts & Perl Scripts.**
* Prior experience working with common developer tool chains to achieve **Continuous Integration**. (**Jenkins**, **Bamboo**, **TeamCity** Integrating **Jenkins** with Testing Frameworks like **SOAP**, **Cucumber**.
* Experience on **Version Control System** (VCS) like **GIT**, **GIT-Hub**, **Git Stash**; **SVN**.   
  Experience implementing and administering monitoring tools **Splunk** and **Zabbix**, **Sensu**, **Cacti**, **Nagios**, **Cacti**.
* Solid understanding of current web and internet technologies like **Apache, Tomcat, Nginx, MongoDB, Cassandra, ElasticSearch, Memcache**.
* Extensively worked with Change tracking tools like **BMC Remedy**, **JIRA** and used these tracking, reporting and managing bugs.
* Experience administrating, deploying and managing **Ubuntu, CentOS servers**. Worked with performance monitoring tools like **Net stat**.
* Proficiency in authoring and managing **configuration management frameworks**, such as **Chef** and **Puppet**.
* Experience with **UDeploy** utilized for Build management/configuration across different environments
* Hands on experience with **Selenium** Testing Tools.
* Extensively experienced in build automation tools like **ANT, MAVEN** and **Gradle**and have a good working knowledge on these tools.
* Great experience with **Docker** container service.
* Deep expertise in building and breaking **cloud-scale systems**, with focus on Information Security, **Data Stewardship**, User Authentication, Network Security, Key Management, Resource Isolation.
* Highly organized, able to multi-task, the ability to work individually, within a team, and with other groups.

**TECHNICAL SKILLS:**

**Programming Languages:** C, C++, Java, XML, Shell, Ruby, Python, PHP, Perl, and HTML.   
**Version Control System:** Harvest, Subversion (SVN), GIT, IBM Rational Clear Case.   
**Databases:** Oracle 11g/10g/9i/8i, MYSQL, SQL server   
**Build Tools:** Apache Ant, Maven, Team City and Sonar.   
**Repositories:** Nexus, Artifactory, Docker as container technology.   
**CI Tools:** Hudson, Chef, Jenkins, And Puppet, UDeploy, Build Forge   
**Operating Systems:** Windows, Linux, UNIX, Aix, Sun Solaris 2, RHEL   
**Application Servers:** Apache Tomcat, Web Logic, Web Sphere, JBoss   
**Bug Tracking Tools:** JIRA, Remedy, HP Quality Centre.   
**Cloud Tools:** OpenStack, AWS (EC2, Elastic Beanstalk, ECS, Cloud Watch,

VPC, Subnets, SQS, SNS, S3, API Gateway, ElasticCache, ElasticSearch, DynamoDB)

**PROFESSIONAL EXPERIENCE:**

**Westfield Insurance, Seville, OH Oct 2014 to Present  
Sr. DevOps Engineer**  
**Responsibilities:**

* Involved in Architect, build and maintain Highly Available secure multi-zone **AWS cloud** infrastructure utilizing **Chef** with **AWS CloudFormation** and **Jenkins** for continuous integration.
* Design & implemented **VPC** service for extension of customer‘s on-premises datacenter with **AWS Cloud** using **AWS VPC** and **VPN** & Direct connect services.
* Implemented and maintained **Chef Configuration management** spanning several environments in **VMware** and the **AWS cloud**.
* Built Cloud infrastructure for Multi-Tier Applications with Failover and High Availability Mode. Planning releases with Zero downtime and no impact for the partners.
* Experience in Creating secured cloud infra using (**VPC**) for Staging and Development environment on **AWS**.
* Designed & implemented enterprise grade with customizable and cost-effective Solutions on **AWS**. Experience with **chef test kitchen**, **berkshelf** and **chef spec** for unit test cases.
* Worked on **AWS- EC2, S3, Glacier, Storage Gateway, Elastic Load Balancing, VPC, IAM, RDS, CloudFront(CDN), CloudWatch** and Auto Scaling Services
* Written **Chef Cookbook recipes** to automate installation of Middleware Infrastructure like **Apache tomcat**, **JDK**, and configuration tasks for new environments etc.
* Written **Chef cookbooks** and **recipes** to Provision Several pre-prod environments consisting of **Cassandra DB** installations, **Weblogic** domain creations and several proprietary middleware installations
* Experience working on several **Docker** components like **Docker Engine**, **Hub, Machine, Compose** and **Docker Registry**.
* Experience working on **Docker hub**, creating **Docker images** and handling multiple images primarily for middleware installations and domain configurations.
* Worked on **Docker container snapshots**, attaching to a running container, removing images, managing directory structures and managing containers.
* Configuration of **Jenkins**, Identifying and Installing required plug-ins to Jenkins, integrating external Unix servers, adding nodes/Slaves to **Jenkins**, writing scripts to configure build jobs, Build Pipelines, set up of automated Gerrit Verification Process of in **Jenkins.**   
  Worked in an agile development team to deliver an end to end continuous
* Integration/continuous delivery pipeline by integration **Jenkins + Rundeck+ Chef** and **AWS** for **VM provisioning**.
* Installed **Jenkins** on a **Linux** machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Installed **Udeploy** server and agents from the scratch.
* Utilized **UDeploy** for Build management/configuration across different environments (DEV/PROD), for multi-tiered projects and sub-programs.
* Responsible for branching and merging of code base for various applications release.
* Responsible for integrating test framework in to deployment pipeline.
* Worked as release engineer for implementing and maintaining highly automated build and deployment process.
* Managed application deployment for complex projects including systems integration.
* Assist with supporting source code management tools and automation builds by **Maven** including Dependency Management.
* Ensure proper management of the product release life cycle.
* Develop deployment plans and schedules for the Change Review meeting.
* Manual Installation and configuration of **Tomcat and Apache servers**.
* Hands on experience in installing and administrating CI tools like **Jenkins, GIT, Perforce and Nexus**.

**Environment:** Subversion, Git, Gerrit, Jenkins, Jira, Stash, WebLogic, Apache Tomcat, Chef, Tortoise SVN, Maven, Nexus, Sonar, Ant, Maven,Udeploy, Red Hat Linux, Docker, Amazon Web Services, Python, Rundeck

**Florida Blue,Jacksonville, FLApr 2013- Sep 2014**

**Role: Devops/Build and Release Engineer**

**Responsibilities:**

* Worked as Integration engineer for modem software team. Handling build and release management
* Develop and maintain configuration management system, and manage repositories, branches, tags using **GIT.**
* Installed **Puppet Master, Puppet agents,** written puppet modules for apache, database setup, create user, group accounts.
* Implemented multi-tier application provisioning in **OpenStack cloud,** integrating it with **Puppet**.
* Involving in debugging issues, resolving functional issues and provide bug free software releases to end customers.
* Facilitate release team meetings pertaining to release process and release schedule until completion. Created repositories, branches, and tags and involved in merging process.
* Resolving compiler error/warning of release builds to maintain quality software as per organization standards.
* Heavily involved in implementing Technologies from **Red Hat** like **Openshift**& **OpenStack cloud base**. Build and configured **Jenkins** slaves for parallel job execution.
* Installed and configured Jenkins for continuous integration and performed continuous Deployments.
* Maintain automation & network simulators; develop **Python test scripts**, run regression/sanity test release binaries.
* Implemented multi-tier application provisioning in **OpenStack cloud**, integrating it with **Puppet**. Analyzing memory analysis on every build to resolve memory redundancy.
* Established processes and tools to maintain code base integrity, including check-in validation rules and branch/merge processes.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Created local, virtual repositories in **JfrogArtifactory** and integrated with **Jenkins**.
* Created virtual machines to be used in the **Udeploy** labs.
* Worked in Agile project management process. Knowledge of branching strategy.
* Developed, maintained, distributed release notes for each scheduled release, worked with **JIRA** for issue tracking and monitoring.
* Worked with the Architects on **SDLC** process being the owner of post development environments
* Debugging and Troubleshooting to resolve complex software integration issues/functional issues. Directed the Release Management Calls to synchronize with the Developers, Testers DBA teams for successful release.
* Knowledge on **Unix/Linuxshell** scripting. Knowledge of operating system, network, and compiler concepts.
* Compiling software from source such as **Linux** distributions or other open-source software.   
  Document any new process on tools train new hires and colleagues.
* Presented reports to the Project manager about the progress and issues tracking key project Milestones, plans and resources.
* Developed **Shell Scripts** for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Used Agile practices and Test Driven Development techniques to provide reliable, working software early and often.
* Take part in code peer review of the test cases, Bug review and **QA** weekly status meetings.
* Reporting defects for the failed test cases and tracking the status on the daily basis.
* Worked in real lab environment to resolve technical problems and impart expertise.

**Environment:** Java/J2ee, GIT, ANT, Jenkins, Maven, Puppet, Openstack, JIRA, Urbancode, Udeploy, Artifactory, Shell, Python, Unix and Linux.

**Assurant Insurance, New York, NY Jan 2012- Feb 2013**

**Role: Build/Release Engineer**  
  
**Responsibilities:**

* Creation of Release Plan, Definition, collection, analysis and presentation of Release Project Metrics on weekly basis.
* Wrote Pom.xml for Maven application builds automation.
* Imported and managed multiple corporate applications into **Tortoise SVN**.
* Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes.
* Provided end-user straining for all **Tortoise SVN, JIRA** users to effectively use the tool.
* Build scripts using **ANT and MAVEN** build tools in **Jenkins** to move from one environment to other environments.
* Deployed **J2EE** applications to Application servers in an **Agile** continuous integration environment and also automated the whole process. 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 **Web Sphere web application server**.
* Worked with a distributed team of SREs for **Cloud Foundry**, an open-source computing **PaaS**.
* 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.
* Involved in the web services programming using SOAP,RESTFul WSDL in different modules.
* Managed **Maven** project dependencies by creating parent-child relationships between Projects.
* **Jenkins** is used as a continuous integration tool for automation of daily process.   
  Documented the entire build and release engineering process and provided on call support.

**Environment:** Tortoise SVN, Jenkins, Sonar, Java/J2EE, ANT, MAVEN, Web Sphere, SOAP, Perl Scripts, Shell Scripts, Ruby, XML, UNIX, Oracle10g, 11g, JIRA, Python

**Guess, Los Angeles**, **CA Aug 2009- Jan 2012**   
**Role: Software Engineer**

**Responsibilities:**

* Responsible for implementing and administering Subversion, **AnthillPro**, Offshore support for development and QA team.
* Defined detailed release implementation and deployment plans by working with project managers, development, SQE, SCM, and production services groups.
* Developing Web applications using Core Java, **J2EE,** Struts, **Hibernate** and Spring MVC.
* Using Hibernate for the backend persistence.
* Used spring framework for dependency injection and integrated with Hibernate and JSF.
* Involved in writing Spring Configuration **XML** file that contains object declarations and dependencies.
* Worked on Ant scripts in building J2EE application and Perl scripts in building C++ application.
* Experience in installation, configuration, Deployment and management of web and enterprise applications on **JBoss** Application servers.
* Experience in server administration; windows, **Linux, UNIX, Solaris.**
* Administered subversion Multisite in creating replicas and synchronizing across the replica using job scheduler.
* Used Swing components for designing the GUI modules.
* Implemented workflow system in a SOA environment, through web services built using Axis2 for **SOAP** over **HTTP and SMTP**. Configuration and deployments of AXIS2 components on web sphere application server at class loader level, and used the same to build and consume the web services (both synchronous and asynchronous).
* Developed **SOAP** message envelopes and headers using WSDL.
* Developed components of web services (JAX-WS, **REST,** JAX-RPC) end to end, using different JAX-WS standards with clear understanding on WSDL (type, message, port Type, bindings, and service), SOAP using various message exchange patterns like InOnly and InOut.
* Implemented **JMS** messaging on queues, topics.
* Designed entire framework to support Test Driven Development(TDD) by making use of Dependency Injection through unity framework and developed a generic repository
* Developed and supported the Configuration and Change Management Processes and procedures.
* Wrote Company's CM Plan template that is going to be used for all present and future projects.
* Implemented and maintained the branching and build/release strategies utilizing subversion.
* Trained and supported users to effectively use view configuration specifications and the application of branching/merging best practices.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Designed and implemented subversion UCM objects including PVOBs, components, streams and baselines.
* Have experience working as a JFrog's advanced repository manager, Artifactory.

**Environment:** Java/J2ee, Eclipse, Ant, Maven, Subversion, SVN, GIT, JAVA Swing, HTML, XML,Python, Ruby, Nexus, SOAP, Sonar, Jenkins, PERL, BASH, Solaris, UNIX.

**Client- RediLearning LMS & Learn.com LMS, Hyderabad, India.**

**Role: System Administrator Feb08-June09**

**Responsibilities:** 

• Responsible for Installation, Configuration Management, Maintenance and Systems Development of Redhat Linux Solaris, **AIX, HP-UX** and **Windows-NT operating systems**.   
• Supported 24/7 high availability production servers. Monitoring System using **HP/ITO**, do kernel tuning to enhance the system Performance.   
• Configuration and Administration of **DNS, NIS, NIS+, NFS,** send mail.   
• Installation, configuration and remediation of various Security software. Expertise in VMware Virtualization using VSphere 4.0.   
• Installation and configuration of Netscape and Apache web server and Samba Server. Interaction with vendors for Hardware and software supports. Configuration and Administration **of VERITAS** Cluster and MC Service Guard.   
• Installation and configuration of Apache and WebSphere Server in Linux Platform. Backup management through NetBackup. Creation of Volumes and pools and scheduling the job.   
• Lockdown the local accounts to secure the environment using NIS.   
• Planned, scheduled and Implemented OS patches on both Solaris & Linux boxes as a part of proactive maintenance and Secure Shell (**SSH**) implementation.   
• Managing systems routine backup, scheduling jobs like disabling and enabling cron jobs, enabling system logging, network logging of servers for maintenance, performance tuning, testing.   
• Expertise in LDAP Installation, Configuration and troubleshooting.   
• Responsible and expertise in installing and configuring and troubleshooting apache and samba server. 

**Environmen**t: Red Hat Enterprise Linux 5/6**, AIX**, Hardware **DELL** PowerEdge 6650, HP ProLiant DL 385, 585, 580, Sun Fire v440, **SUN BLADE** X6250 , X6270. Remedy, Bash. **TCP/IP, SMTP**, **NFS, FTP, MYSQL** Database, Nagios, **BMC** Remedy**, LVM**. Oracle 11G, Samba, Oracle RAC/ASM.

**EDUCATION:** Bachelor Degree from kakatiya university, India.