ABDUL MH. SUFIAN

(646) 549 - 7497

[mahs.sufian@gmail.com](mailto:mahs.sufian@gmail.com)

Sr. DevOps Engineer

**Summary of Qualifications:**

* **Over Seven (7+) years ofIT Industry experience** with Configuration Management, **Build**, **Deploy**, Release Management and Quality Assurance.
* Expertise in **DevOps, Release Engineering**, Configuration Management, Cloud Infrastructure, Automation. It includes Amazon Web Services (AWS), Ant, Apache **Maven, Jenkins, SVN, GitHub, Serena Products, ClearCase, Build Forge, Serena PVCS, CVS, Tomcat, JBoss, and Linux** **etc.**
* Experience in implementing and monitoring High Availability environment using **Veritas Cluster Server, Sun Cluster, Redhat Cluster, HP Service Guard, HP Insight Manager, Smart Start** and **HACMP.**
* Configured and used **Jumpstart, Kickstart, Ignite** and **NIM** to install OS.
* Extensive experience in design and architecture of **application using MQSI (WMB), MQ series (WMQ).**
* Proficient in Networking, configuring **TCP/IP, DNS, NFS, NIS, NIS+, SAMBA, LDAP, SSH, SSL, SFTP, SMTP, SNMP.**
* Experience in **OpenStack cloud**, integrating it with **Puppet.**
* Implemented Continuous Integration and deployment using various CI Tools like **Jenkins, Puppet, Chef, Hudson, Bamboo** and **Sonatype Nexus**.
* Experience in Setuptrust between on premise and cloud server using **ACS and ADFS in Azure.**
* Top Quality architecture and development skills using latest technologies **including Java, C++,** EJB, RMI, JMS, wireless technologies and **in-depth knowledge of J2EE.**
* Experience with Build Management tools **Ant** and **Maven** for writing build.xmls and pom.xmls respectively.
* Strong Experience in **LINUX/UNIX** Administration, Shell Scripting with expertise in Red-hat **Linux** 4/56, **Solaris** 8/9/10, VMware ESXi 4.5/5.5, WebLogic and WebSphere.
* Expertise in branching, tagging and maintaining the version across the environments using SCM tools like **Subversion (SVN), CVS** and**on** UNIX and Windows environment.
* Good understanding of the principles and best practices of **Software Configuration Management (SCM) in Agile**, Scrum, and Waterfall methodologies.
* Excellent understanding of source-code management principles and systems, particularly **GIT**.In-depth knowledge of computer applications and scripting like **Shell, Python & Perl**.
* Excellent knowledge of **Amazon EC2, Amazon S3, Amazon Elastic Load Balancing and other services of the AWS family**.
* Experience in Configuring and deploying to Application servers **WebLogic**and**WebSphere.**
* Experience in using **Tomcat** web servers for deployments and for hosting tools.
* Hands-on experience creating and managing the various development and build platforms, and deployment strategies.
* Ability in managing all aspects of the software configuration management process including code compilation, packaging, deployment, release methodology and application configurations.
* Experience working with **Oracle 9i/10g**. Prior coding skills in **PL/SQL**, triggers, stored procedures, design and creation of databases, schemas, tables and indexes.
* Closely worked with development, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building.
* Extensive experience in all phases of Software Development Life Cycle with emphasis in Designing, Developing, Implementation, Deployment and Support of distributed enterprise scalable, secure and transactional J2EE applications.
* Worked with different Bug tracking tools like **JIRA, Rally, Remedy, HP Quality Center**and **IBM Clear Quest.**
* Team player with excellent interpersonal skills, self-motivated, dedicated and understanding the demands of 24/7 system maintenance and has good customer support experience.

**Technical Competencies:**

Operating System Windows 98/XP/NT/2000/2003/2008, UNIX, LINUX, Mac OS

Database Oracle 9i/10g, SQL SERVER, MySQL, DB2

Versioning Tools CVS, Subversion, Clear case, GIT

CI Tools Hudson, Jenkins, Bamboo, Chef, Puppet

Build Tools ANT, MAVEN, Makefile

Bug Tracking Tools JIRA, Rally, Remedy and IBM Clear Quest

Languages C++, PL/SQL and Java/J2EE

Scripting Shell scripting, Python, Perl scripting

Web Technologies HTML, Java Script, XML, Servlets, JDBC, JSP

Web/App servers Web logic, Web Sphere, Apache Tomcat, JBOSS

**Professional Experience:**

**Client: TIAA-CREF, Charlotte, NC** Jan’ 2015 – Present

**Role: Sr. DevOps Engineer**

**Roles & Responsibilities**:

* **Develop and implement** an automated Linux infrastructure using **Puppet**.
* Wrote **Puppet models** for installing and managing java versions.
* Wrote a **Python** plugin for collected to write metrics to statsd.
* Implemented automated local user provisioning in instances created in **Openstack cloud.**
* Deploying the **Openstack** components on multimode with high availability environment.\
* Worked with the **Docker** to package an application with all of its dependencies into a standardized unit for Software Development.
* Participated in the release cycle of the product which involved environments like Development QA UAT and Production.
* As Jr. Architect& Sr. server developer I was actively involved in architecting various Business Layer **and Data Management** components of this multi-tiered web **based system over J2EE** architecture, EAI and TIBCO.
* Regular Build jobs are initiated using the Continuous Integration tool with **Jenkins.**
* Wrote **Puppet** manifests for deploying, configuring, InstallSheild and managing collected for metric collection and monitoring.
* **Jumpstart & Kick-start** OS integration, **DDNS, PXE, DHCP, SMTP, Samba, NFS, FTP, SSH, LDAP integration**.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using **GIT** source control.
* Configured **Jenkins** for doing the build in all the non-production and production environments. Worked extensively on CVS, Subversion as Version Control.
* Handled **Jira tickets** for SCM Support activities.
* Creating user level of access for related **GitHub** project directories to the code changes.
* Performed all necessary day-to-day **Subversion/GIT** support for different projects.
* Used Artifactory repository tool for maintaining the Java based release code packages.
* Provided the assistance for the smooth phase of Release for the Emergency and Expedite Releases by getting the Director Level Approval and coordinating with different teams.
* Written **Shell scripts** to apply the Integration label to all the files which needs manual labelling of files.
* Deployed **Puppet, Puppet Dashboard and Puppet DB**for configuration management to existing infrastructure.
* Owner of Jenkins, **GitHub**, Puppet, Artifactory, and all internal build systems for the core development team on an enterprise-level Java-based cloud orchestration/automation tool.
* Strictly enforced ITIL process while pushing builds and deployments to prod and pre-prod environments.
* Write an install script in **Ruby** using all of the extra helper functions from Chef
* Configured the user’s accounts for Continuous Integration – **Jenkins, Nexus and Sonar**.
* Gathered all the stakeholder approvals, necessary signoffs while acting as a release manager for two development teams.

**Environment:** Java/J2ee, Puppet, OpenStack, Ant, Maven, Subversion, UNIX, SVN, Bamboo, Nexus Pro, Sonar, Jira, Remedy, Python, Ruby, Shell Scripts, Tomcat, Jenkins

**Client: Verizon Wireless, Irving, TX** Oct’ 2013 to Dec’ 2014

**Role: Sr. DevOps Engineer**

**Roles & Responsibilities**:

* **Created and deployed** builds to different environments based on requests.
* Designed and implemented **Subversion and GIT** metadata including elements, labels, attributes, triggers and hyperlinks.
* Wrote **Puppet models** for installing and managing java versions.
* **Chef** to aid with our deployment process, and migrating in‐house systems to **Amazon Cloud Services.**
* Converted and automated builds using **Maven** and **Ant**. Scheduled automated nightly builds using **Jenkins**.
* **Microsoft Windows Azure queues, storage, database, C# 4.5, jQuery**: Product owner for internal 10th Magnitude application development framework.
* Helped **developers** and other project teams to set views and environments.
* Created and applied Baselines and Labels for each **Build Artifacts.**
* Created UCM Projects, Development and Integration views for Development and Integration Streams.
* Using **Chef and AWS** allowed me to reduce costs for the department and eliminate unwarranted resources. Automated provisioning of cloud infrastructure with **Chef.**
* Replaced existing manual deployment and management processes with **Chef and AWS** OpsWorks stacks across 4 product platforms.
* Imported and managed multiple corporate applications into **GitHub** code management repo.
* Setting up network environments using **TCP/IP, NIS, NFS, DNS, SNMP agents, DHCP** and **Proxy**.
* Created and maintained documentation of build and release processes and application configuration to comply with audit requirements and Industry best practices.
* Managed **GIT and SVN** as Source Control Systems
* Created Pre-operation and Post-operation triggers in UCM.
* Developed scripts using **PERL, BASH** and **BATCH** files for Automation of Activities and builds.
* Provided level one support for build troubleshooting and production issues.
* Responsible for the EBFs (Emergency Bug Fixes) to push them to different environments and monitor their status.
* Performed merges for each build from Development Branch to Integration Branch.
* Created the Release Management plan with the implementation schedule.
* Conducted Sanity Testing to verify for the right build is deployed.
* 24/7 on call support for emergency site maintenance and immediate build and install requests.
* Worked with the automated scripts for the Build and Deployment of the applications.
* Responsible for Build and Install Schedules using **Unix Cron jobs.**
* Maintained configuration files for each application for the purpose of build and install on different environments.
* Used **Puppet** for Continuous Delivery. Managed CI and CD process and delivered all application in rpms.
* Created the build instructions docs and install (deploy) instructions docs for each application for different environments.

**Environment:** Java/J2ee, Eclipse, Chef, AWS (Amazon Web Services) Ant, Maven, Subversion, SVN, GIT, Python, Ruby, Nexus, Sonar, Jenkins, PERL, BASH, Solaris, UNIX

**Client: American National Insurance, Galveston, TX** Mar’2012 to Oct’ 2013

**Role: Build &Release Engineer**

**Roles & Responsibilities**:

* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Designing and implementing for fully automated server build management, monitoring and deployment By Using DevOps Technologies like **Chef**.
* Responsible for design and maintenance of the **Subversion/GIT, Stash** Repositories, views, and the access control strategies.
* Used **ANT and Python** scripts to automate the Build and deployment process. Used maven for few modules.
* DevOps for load balanced environments & Multi-regional server environments (**AWS Regional nodes managed via Chef Roles and Ohai Attributes)**
* Monitoring each service deployment, and validating the services across all 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.
* Involved in build and deploying SCA modules in IBM Web sphere Process server.
* Worked on Java/J2ee deployments in web sphere.
* Prepared Migration logs for every release and maintained the data accuracy.
* Maintained Defect Fix Deployments and documented the deployed files in the appropriate Environment Migration log.
* Working with Change Order with current release and implement them in the Production.
* Created Branches, Tags for each release and particular environments.
* Merged the branches after the Code Freeze.
* Created the Deployment notes along with the Local SCM team and released the Deployment instructions to Application Support.

**Environment:** Java/J2ee, Eclipse, Chef, Ant, Maven, Jenkins, GIT, Subversion, WebSphere Application Server (WAS), Apache, PERL, BASH, UNIX, Python

**Client: Humana, Herndon VA** Jan’2011– Mar’2012

**Role: Build &Release Engineer**

**Roles & Responsibilities**:

* Coordinated with developers, Business Analyst and Mangers to make sure that code is deployed in the Production environment.
* Deployed legacy applications into **JBoss** application server.
* Created shell scripts to automate the server bounce activities for JBoss application server.
* Documented the deployment process (Migration Doc) of code to production on an Excel Sheet.
* Installed **Jira** and confluence on **Tomcat** server.
* Processed all the requests from the Developers through Remedy which is an IT process management tool and responsible for managing the code in Subversion (version controlling).
* Provided **Build Scripts** for Database Projects to Deploy DB and populate Test data in DB for various environments.
* Experience in setting Maven repository and pom.xml, Ant build.xml and managed the maven artifacts using Nexus repository.
* Edited and Modified POM.xml for a few applications that used **Maven**.
* Used Ant scripts to perform the builds and wrote a few build.xmls for application development teams.

**Environment:** Java, Hudson, JBoss, Subversion, Ant, Maven, Jira, Shell Scripting

**Client: TSX, Bangalore, India** Aug’2008 – Dec 2010

**Role: Build &Release Engineer**

**Roles & Responsibilities**:

* Implement, maintain and support reliable, timely and reproducible builds for project teams.
* Maintained build related scripts developed in **ANT**, **Python** and **shell**. Modified build configuration files including **Ant’s build.xml**.
* Worked with development team to migrate **Ant scripts** to **Maven.**
* **I Developed HTML** parser and the build the **DOM** tree with that.
* Experienced in authoring **pom.xml** files, performing releases with the **Maven release plugin**, **Mavenization** of Java projects and managing **Maven repositories**.
* Researched and implemented code coverage and unit test plug-ins with **Maven/Hudson**.
* Used Maven dependency management system to deploy snapshot and release artifacts to **Nexus** to share artifacts across projects.
* Configured and maintained **Hudson** to implement the CI process and integrated the tool with **Ant** and **Maven** to schedule the builds.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.

**Environment:**  Ant, Java/J2EE, Maven, Hudson, Linux, Solaris, Python, WebSphere, Shell scripting, Nexus.

**Educational Qualifications:**

* **Bachelor’s Degree in**Computer Science Engineering(Graduated in 2007)

Osmania University, AP, India

**References:** Provided upon request…