**Name: Sandhya Pasam**

**Profile:**

7+ years of IT industry experience compromising of Devops, Linux System Administration and Build Engineering & Release Management process, including end-to- end code configuration, building binaries & deployments of artifacts and entire life cycle model in Enterprise Applications.

**Professional Summary:**

* In-depth knowledge of Devops management methodologies and production deployment which include Compiling, Packaging, Deploying and Application Configurations.
* Skilled at Software Development Life Cycles and Agile Programming Methodologies.
* Experience of **Jenkins**/ **Hudson, VS Build Pro, Apache Ant, Apache Tomcat, Subversion**, **Git**, **GitHub**, **Maven**.
* Experience in scripting languages **Ruby**, **Shell** and **Python**.
* Worked on Build & Release activities for technologies like **Java** & **.Net.**
* Experience in development and configuration experience with software provisioning tools like **Chef, Puppet**.
* Experience with **CI (Continuous Integration)** and **CD (Continuous Deployment)** methodologies using **Jenkins.**
* Experienced in build tools such as Apache **Ant**, **Maven,** **Atlassian** **Bamboo**, Cruise Control.
* Strong hands on experience with scripting languages like **Python**, **Ruby**, **PowerShell**, **and JavaScript**.
* Expertise in application of cloud providers and Amazon **AWS** **(Ec2, s3, VPC, SNS, AMI**) **Cloud sigma.**
* Experienced in **Cloud automation** using **AWS** Cloud Formation templates.
* Experience with migration to Amazon web Services **AWS** from Datacenter.
* Highly motivated and committed DevOps Engineer experienced in Automating, Configuring and deploying instances on AWS cloud environments and Data centers, also familiar with EC2, Cloud watch, Elastic Search and managing security groups on AWS and Azure.
* Experience with F5 (BIG-IP), Azure ILBs and load-balancing technologies.
* Expertise in building of deployment artifacts such as war & ear from source code using Apache ANT and MAVEN.
* Well versed with user and plugin management for Puppet.
* Skilled in monitoring servers using **Nagios, Datadog, Cloud watch** and using **ELK Stack Elastic Search Logstash.**
* Expertise in configuration of **SAMBA, SQUID, DNS, DHCP, LDAP, NFS, FTP** and trouble shooting.
* Improved throughput and efficiency of build system by providing EO/managers rights to trigger required build.
* Managed infrastructure resources in cloud architecture with close coordination with various functional teams.
* Experience in resolving Build failures due to infrastructure issues reduced by 95% stabilizing the build process. Setup and executed process to code review system effectively.
* Experience in development and configuration experience with software provisioning tools like **Chef, Puppet**.
* Strong knowledge / experience in creating **Jenkins CI pipelines** and good experience in automating deployment pipelines.
* Strong experience in working in **Linux** and **Windows** environments.
* Good presentation and technical writing skills.
* Proficient in managing the source code control of multiple development efforts using **Clear Case, Subversion, TFS**, **Git and CVS** version control tools.
* Extensive experience in setting up **baselines, branching, merging, and automation** processes using shell and Perl scripts.
* Experienced in project analysis, gathering user requirements, technical design and training customers.
* Highly organized, detailed oriented, able to plan, prioritize work and meet deadlines; work well under tight deadlines
* Ability to work directly with all levels of Management to gather user requirements.
* Excellent communication, interpersonal and managerial skills.

**Technical Skills:**

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| **Build Tools** | Visual Studio, Make, Maven, Jenkins, Bamboo, and AnthillPro |
| **Programming / Scripting Languages** | JAVA, UNIX Shell Scripting, .Net, Perl Scripting, Python, HTML. |
| **Server** | Apache, Tomcat, MS-IIS |
| **Release/Project Management** | Microsoft Release management Server |
| **Issue Tracking/Monitoring** | Bugzilla, JIRA, Service Now, HPSM, Cloud Watch and Nagios |
| **Configuration Management Tools** | Chef, Puppet. Openstack |
| **Database** | My SQL |
| **Version Control System** | Subversion (SVN), GIT, GITHUB, CVS, SVN, RTC. |
| **CI Tools** | Jenkins, Bamboo ,Maven, Ant. |
| **Operating System** | Windows Variants, Linux, UNIX. |
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**EDUCATION**

Bachelors in Technology (CSE) SVCET JNTU, Hyderabad (India) 2008

**Professional Experience:**

**Client:** **T-Mobile, Seattle, WA JAN 2014 –Till Date**

**Role: DevOps Engineer/Build Engineer & AWS Developer**

**Responsibilities:**

* Responsible for defining branching & merging strategy, checkin policies, improving code quality, automated Gated Checkins, defining backup and archival plans.
* Coordinated with resources by working closely with Project Manager's for the release and Project Manager for all the Operational Projects.
* Actively involved in architecture of DevOps platform and cloud solutions.
* Experience in deploying **JAVA** projects using **Maven**/**Ant** and **Jenkins.**
* Built and Deployed **Java/J2EE** to a web application server in an Agile continuous integration environment and also automated the whole process.
* Used **ANT** as a build tool on **Java** projects for the development of build artifacts on the source code.
* Implementing a **Continuous Deliver**y framework using **Jenkins, Ant and Maven** in Linux environment.
* Build Automation and Build Pipe Development using **Jenkins** and **Maven.**
* Managed and monitored the server and network infrastructure using Nagios
* Analyzed the **ANT**build projects for conversion and converting to Maven build projects.
* Working for DevOps Platform team responsible for specialization areas related to **Chef** for Cloud Automation.
* Developing pom.xml files for Maven build scripts.
* Worked in migrating code from **SVN** to **Git** repo (stash/bitbucket), clean the git repo (purging files).
* Performed all necessary day-to-day **CVS**/**Subversion** support for different projects.
* Responsible for design and maintenance of the **CVS**/**Subversion** repositories and the access control strategies.
* Creation of branches in **CVS** and **Subversion** for parallel development process.
* Used **Jenkins** to automate most of the build related tasks.
* Set up CI (Continuous Integration) for major releases in Jenkins and TeamCity.
* Worked extensive with **MAVEN** build tools for writing build.xml and pom.xml files respectively.
* Involved in managing other version control tools like **GIT**.
* Written **cookbooks** for various packages and installed them on VMs to perform QA testing.
* Application of **AWS** solutions especially **EC2, S3, RDS, EBS Elastic Load Balancer** and **ELK** search.
* Configured Elastic Load Balancers with **EC2** **Auto scaling** **groups**.
* Using Jenkins **AWS Code Deploy plugin** to deploy to **AWS**
* Created **puppet** **manifests** and **modules** to automate system operations. Created monitors, alarms and notifications for **EC2** hosts using **CloudWatch**
* Performed the automation using Chef Configuration management and managing the infrastructure environment with **Puppet**.
* Responsible for large-scale **Puppet** implementation and maintenance. **Puppet** **manifests** creation, testing and implementation.
* Merging release branches back to trunk after the production release and resolving of conflicts during merging in both CVS and Subversion.
* Used **SVN** for branching, tagging, and merging.
* Worked with the Architects on **SDLC** process being the owner of post development environments.
* Carried out deployments and builds on various environments using Puppet continuous integration tool.
* Developed and implemented the software release management for the release of web applications.
* Wrote **MAVEN** Scripts to automate the build process.
* Managed the **Maven** Repository using **Nexus** tool and used the same to share the snapshots and releases of internal projects.
* Extensive experience in **OOPS** concepts and developing methods and functions in Visualstudio using **.NET** framework.
* Experience in Customization in **C#, .NET** Component’s, Debugging
* Applied knowledge of **DNS, DHCP** and **IP Addressing**. Installation and configuration of various services like **DNS, DHCP, NFS, Send mail, Apache Web Server, Samba, SSL, SSH, HTTP, RPM package management** and experienced in administering Active Directory and group policies.
* Worked closely with development team and SQA team for product releases.
* Implemented Configuration Management, Change Management policies and procedures.
* Worked as a system administrator for the build and deployments process on the enterprise server.
* Documented project's software release management procedures with input decisions.
* Automation of daily tasks using Shell and Perl scripts.
* Deployed the static content to apache web servers and applications to Tomcat Application server.
* Used **JIRA** as a Change Management/ Work Management/ **SCRUM** Agile Tool.
* Build, configured and support Application team environments.

**Environment**: SVN, CVS, Maven, Chef, Git, CVS, Ant, Jenkins, Nagios, Puppet, Tomcat, Shell, Perl, .Net, Java, Nexus, AWS and JIRA.

**Client: Key Bank, Burbank, CA APR 2012 to DEC 2013**

**Role: Build & Release Engineer**

**Responsibilities:**

* Working for DevOps Platform team responsible for specialization areas related to **Chef** for Cloud Automation.
* Application of automations tools like **chef, puppet, DevOps** based on the requirements.
* Deployment and implementation of **Chef** for **infrastructure as code** initiative.
* Performed the automation using **Chef Configuration management**.
* Involved in **chef-infra maintenance** including backup/monitoring/security fix and on **Chef Server backups**.
* Worked with **Knife command**-line tool and creating Cookbook.
* Developed installer scripts using **Ant, Python and UNIX** for various products to be hosted on Application Servers.
* Troubleshoot Build and Deploy Issues, with little downtime.
* Organized and Co-Ordinated Product Releases, work closely with product development, QA, Support across global locations to ensure successful releases
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using **Amazon EC2**, **Chef,** and custom **Ruby/Bash** scripts
* Worked on Managing the Private Cloud Environment using **Chef**.
* Implemented **Chef** Cookbooks for OS component configuration to keep **AWS server’s** template minimal.
* Developed automation framework for Application Deployments to the cloud environments.
* Managed and optimize the Continuous Delivery tools like **Jenkins.**
* Automate the builds and deployment of **JAVA** projects using **ANT** and **Jenkins**.
* Installed, Configured, Administer **Hudson/Jenkins** Continuous Integration Tool.
* Integrated Build Process through Jenkins to various SCM tools like GitHub, SVN.
* Experience in managing automated multiple continues integrated depot and branch builds on **Bamboo, Hudson/Jenkins, TeamCity, AnthillPro, Chef** and **Cruisecontrol.net** on a network server.
* Automated Continuous Build and Deploy Scripts for **Hudson/Jenkins** Continuous Integration tool.
* Wrote **ANT** and **MAVEN** Scripts to automate the build process.
* Provided **ANT build script** for building and deploying the application.
* Integration of Automated Build with Deployment Pipeline. Currently installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
* Provided stable build environments for product development.
* Worked on **NoSQL** database **Cassandra.**
* Branching, Tagging, Release Activities on Version Control Tools: **SVN,** **GIT.**
* Built and Deployed Java/J2EE to Tomcat Application servers in an **agile** continuous integration process and automated the whole process.
* Developed Custom Scripts to monitor repositories, Server storage.
* Member of the Technical Design team, Build and Release Module for Development of new products.
* Automated the local dev environment using Vagrant/**chef-solo**.
* Automated the cloud deployments using **chef,** **Python** (boto & fabric) and **AWS Cloud Formation Templates**.
* Provided **UNIX** scripts for deploying and building the system.
* Administration and **Support** of **UNIX Servers** including **SUSE, Solaris, HP-UX & Red Hat Linux** and **CentOS**.
* Document release metrics, software configuration process.

**Environment:** Java, Eclipse, Toad, Git, , GitHub, Tomcat, Apache, Oracle 12c, Jenkins, Python, Ruby Chef, JIRA, Maven, Art factory, Ubuntu, CentOS, Linux, AWS , AWS Cloud Formation Templates, .Net, Cassandra, AWS RDS, AWS Cloud Watch, Ruby, Chef-solo/server

Client: Kohl's, Menomonee Falls, WI FEB 2011 to MAR 2012

**Role:** **DevOps/Release –Build Engineer**

**Responsibilities:**

* Worked portal for triggering **builds** and **releasing** them to stakeholders by understanding the pain points of Developers and QA engineers.
* Maintained the FTP server in which the builds were copied.
* Implemented **Chef** to deploy the builds for Dev, QA and production.
* Maintained and developed infrastructure using **Chef**, Jenkins, and multiple AWS tools.
* Worked on establishing a streamlined release process for the development team from scratch.
* Created release notes based on the contents of builds and publish build artifacts to the stakeholders.
* Used **ANT** and **MAVEN** as build tools on Java projects for the development of build artifacts on the source code.
* **Continuous Integration:** implemented and promoted use of Jenkins within the developer community. Validated **Jenkins** along with Bamboo.
* Developed scripts for executing validation/test cases automatically after builds.
* Managed central repositories: Implemented Atlassian Stash along with GIT to host GIT central repositories for source code across products, facilitate code reviews and login audits for Security Compliance. Developed and maintained in-house Code review system before migrating to the lightweight code review system available in Stash.
* Designed and implemented the backup strategy for all the critical systems such as build machines, bug tracking tools, central repositories etc.

**Environment:** Java, Eclipse, Tomcat, Apache, Oracle, Jenkins, Python, Ruby JIRA, Maven, Artifactory, Git, Ubuntu, Windows, AWS, Ruby, Chef, Java, Windows.

**Applied Computer Techniques, Hyderabad, India. May ‘09–Dec 2010**

**Role: Build &Release Engineer**

**Responsibilities:**

* Worked on Java/J2EE Coding for Portal Applications. Worked on Tomcat Web server for hosting web apps.
* Used Perforce version control system to manage different builds for the system.
* Involved in writing Shell scripts for compilation and deployment process.
* Good command in writing ANT scripts for making all the files local to the server.
* Created deployment tickets using Jira for build deployment in Production.
* Collected the approvals for deploying the code to production.
* Created diff files and check sum files for production support.
* Involved in working with WebSphere App server admin console for deploying applications.
* Worked closely with developers and managers to resolve the issues that rose during the deployments to different environments.
* Communicated with all levels of engineering, management, development and test teams.

**Environment:** Subversion, Perforce, Team City, Apache Tomcat, Java/J2EE, ANT, Shell Scripts, MAVEN, JIRA, UNIX, LINUX, Windows XP.

**CITI Technology Services, Hyderabad, India May‘08- Apr ’09**

**Role: Build and Release Engineer**

**Responsibilities:**

* Responsible for DEV, SIT, QA and UAT Environments.
* Build and release packages for testing.
* Performing clean builds as per the scheduled release.
* Used Subversion (SVN) for managing files and configurations.
* Responsible for Branching, Tagging and Merging as per the schedule.
* Responsible for creating and editing ANT Scripts.
* Deploying newly built code and removal of old code using WebSphere Admin Console.
* Releasing code to testing regions or staging areas according to the schedule published Updated and automated Release reports for Change Management.
* Supporting Local System Administrators to troubleshoot Configuration Management and Network issues.
* Analyzing and recommending hardware and software needs and installing them.
* Documented release, builds and source control processes and plans.
* Co-ordinated with development team and SQA team for product releases.
* Developed scripts in PERL and Shell scripting for automation of repeated tasks which are susceptible to errors.
* Used Cruise Control for automation and Continuous Integration.
* Deployed the applications to WebSphere Application Server 5.0 and static content to apache web servers.
* Used Remedy for issue tracking and monitoring.

**Environment**: SVN, ANT, Cruise Control, WebSphere, PERL, Shell, JAVA/J2EE and Remedy.