**Aditya**

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**Professional Summary:**

* IT professional with over **7+ years** of experience as a DevOps/Build and Release working in the field of **System Administration, Automation Engineer** and **DevOps tools**.
* Installed and configured **Puppet** and usedPuppet for Server configuration management.
* Development of **Puppet modules** & other template for large system deployment configuration.
* Worked on various cloud environments like **AWS, OpenStack and Rackspace.**
* Set up **Linux** OS on local and in the cloud on **AWS EC2.**
* Managed **GIT and SVN**as Source Control Systems.
* Worked on Cloud automation using **AWS Cloud Formation templates.**
* **CentOS/Red Hat** Linux installation and administration on VMWare ESXi.
* Built System Performance reporting tools using PowerShell on **Windows**, Python on **Linux**.
* Systems administration using **Puppet** / Knowledge of **Ansible**. Proven record in establishing and maintaining formal CM procedures in software development environment.
* Experience converting from one source control tool to another (e.g. - PVCS to Subversion).
* Adept at productivity gains through evaluation of trends and task automation.
* Involved in integration of various tools, procedures and processes to support **SDLC** and CM standards.
* Outstanding mentoring skills, coaching personnel through technical issues to increase growth and confidence among team members.
* Software configuration manager for various projects using Subversion, Lunt build, Ant, Tomcat 5.x, Apache, etc. for Unix environments to automating the deployment process.
* Automating the build process using a web-based build management system (Lunt build) to run Ant and PERL scripts in **Windows/Linux** based environments.
* Setting up a web-based reporting system to allow easy access to reports about the builds and deployments for the various environments.
* Created the **Docker** file. Built various containers using **Docker** engine and **Docker**Machine environments
* Developing **Docker** images to support Development and Testing Teams and their pipelines
* Experience Working on several **Docker** components like **Docker** Engine, Hub, creating **Docker** engines.
* Defining, Documenting and improving the processes supporting these projects.
* Desire to work in a Global delivery environment.
* Setting Up **Docker** containers for various environments like Dev/Test/Prod.
* Have used **Docker** compose for base image setup. Used **Docker** Registry API to interact with registry. Deploy the Ansible automated configuration tool in **Docker** containers.
* Responsible for investigating replacing and/or complementing **Ant** scripts with Maven.
* Automating the build and deployment processes using a web-based management system to run Ant and PERL scripts in both a **Windows-based** and **UNIX** environments.
* Setting up an **Oracle** Database to support the Configuration and Release Management process.
* Setting up a web-based reporting system to allow easy access to reports about the builds and deployments for the various environments.
* Defining, Documenting and improving the **SDLC** processes supporting these projects.
* Responsible for writing the release notes and verifying the contents of each release.
* Responsible for converting from Visual SourceSafe to Subversion simultaneously evaluating Subversion on **Windows** and **Linux** platforms.

**Technical Skills**

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| --- | --- |
| Operating Systems: | Windows98/XP/NT/2000/2003/2008, UNIX, LINUX(RHEL),REDHAT, Nginx, Ubuntu, CentOS |
| Versioning Tools: | CVS, Tortoise SVN, Clear Case, GIT |
| Cloud Computing: | AWS (EC2, ELB, S3), Cloud Formation Stack, OpenStack (Docker, LXC,), Elastic Search, Azure |
| CF/CI Tools: | Jenkins, Chef, Puppet, Ansible Tower |
| Build Tools: | Cruise Control, ANT, MAVEN and TeamCity |
| Languages/Scripting | Perl scripting, PowerShell scripting, SQL, Java/J2EE, Ruby Python, Bash, VMware |
| BugTracking Tools: | JIRA, Remedy, HP Quality Center, IBM Clear Quest, Mingle |
| Web Technologies: | Java/J2ee, JavaScript, XML, HTML, CSS. |
| Web servers: | Web logic, WebSphere, Apache Tomcat, JBOSS |
| RDBMS | Oracle, SQL SERVER, MYSQL, DB2 |
| Others | Agile, SCRUM, |
| Application/Web Servers | IBM WebSphere Application, Apache Server 1.2.2/1.3/2.0, IBM  HTTP Server 6.0/7.0, IBM WebSphere MQ Series 5.x/6.x/7.0 |

**Professional Experience:**

**Client: ATT Digital TV July2015 -PresentLocation: 2230 Imperial Highway, EL Segundo, LA, CA**

**Role: DevOps Developer**

**Responsibilities:**

* Developed and implemented Software Release Management strategies for various applications per the agile process. Installed, Configured and Administered **Jenkins** Continuous Integration Tool.
* Implementing a Continuous Delivery framework using **Jenkins, Maven** in Linux environment
* Launching and configuring of **Amazon EC2 (AWS) Cloud Servers using AMI’s** **(Linux/Ubuntu)** and configuring the servers for specified applications.
* Experience in complex **AWS** services, such as Cloud Formation, Lambda, and ECS.
* Establish and employ Continuous Integration/Delivery practices using tools such as **Jenkins**, **Subversion**, SonaType Nexus, **GIT**, **Ansible** and SonarQube
* Developed build and deployment scripts using **ANT** and **MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Experience supporting and troubleshooting application Web servers (**Tomcat**)
* Experience in working with **GITHUB** to store the code and integrated it to **Ansible Tower** to deploy the playbooks.
* Written custom based plugins for **Jenkins** for the required changes.
* Installed **Jenkins** on RHEL servers using playbooks from **Ansible** Tower.
* Multi-platform Systems Automated via **PowerShell, Bash, Python, Ruby**.
* Used **Ansible** and **Ansible** Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manage changes.
* Experience with **Ansible** Tower to manage Multiple Nodes and Manage Inventory for different Environments.
* Used **Ansible** Playbooks to setup Continuous Delivery Pipeline. Have written playbooks for the **GitHub** Enterprise Upgrade.
* Knowledge of TCP/IP networking, SMTP, HTTP, load-balancers and high availability architecture.
* Installing, Configuring and administering **VMware** ESX/ESXi and created and managed VMs (virtual server) and involved in the maintenance of the virtual server.
* Performed monitoring, log aggregation and analysis on **Log Stash / RabbitMQ/ Elastic search/ Kibana.**
* Experience with containerization and orchestration technologies like **Kubernetes**, **Docker**.
* Maintain **Zabbix** monitoring solution for multiple internal and external customers.
* Solid experience in NoSQL Database **MongoDB**.
* Hands on experience on **MongoDB** Replica Set and Sharding.
* Migrated applications to the **AWS** Cloud, Installed Linux onsite and on **AWS** cloud.
* Implemented of admin interfaces built on **Python Flask**.
* Enhanced Automation Testing scope by adding test scripts for new stories in each sprint using **Junit** and Java.
* Installed and configured plugins such as Apache, Tomcat, and Sun One with **WebLogic.**
* Experience in creating and running **cronjobs** for scheduled jobs.
* Developed **startup** and **shutdown scripts** for the **WebLogic** servers.
* Built new framework for system agent and different agent plugin. Used **Gradle** and **Jenkins** to trigger build process.
* Performed all necessary day-to-day **Clear Case** support for all in-house projects.
* Defined **Clear Case** metadata including labels, attributes, elements, hyperlinks and triggers to implement policies and procedures.
* Heavily used **GIT** for configuration and code revision tracking
* Very good in using **Maven** and ant scripts for build and deployment.
* Experienced in working on version control systems GIT and used Source code management client tools like **Stash, Source Tree, GIT Bash, GitHub, GIT GUI** and other command line applications etc.
* Implemented rapid-provisioning and life-cycle management for **Ubuntu Linux using Amazon EC2 and custom Ruby/Bash scripts.**
* Build Python Django forms for recording of data for online users and writing test cases using PyTest.
* Performed troubleshooting, fixed and deployed many Python bug fixes of the applications that were a main source of data for the customers.
* Composed python scripts to parse XML and JSON reports and load the information in database.
* Extensively used Python modules such as **requests, urllib, urllib2** for web crawling.
* Developed Test Framework in Selenium for UI Regression Test Automation and when necessary and potentially execute Unit Test automation.
* Automated web application using **Selenium** WebDriver and JUnit.
* Worked on **AWS Code deploy, AWS lambda, AWS RDS**
* Worked on Ansible to deploy **AWS** EC2 instances.
* Knowledge on Cloud formation templates and deployed **AWS** resources using it.
* Deployed and monitor scalable infrastructure on Amazon web services (**AWS**) & configuration management using **Ansible**
* Automation of **AWS** infrastructure via **Ansible**, and Jenkins - software and services configuration using **Ansible** Playbooks
* Experience using cloud providers and API's for Amazon (**AWS**) with Microsoft Azure.
* Lead migration of on premise computing infrastructure to **AWS** cloud including VMware environments and applications.
* Executed application server builds on the EC2 services as per requirement and modifications and Configured **AWS** Multi Factor Authentication in **IAM** to implement Two step authentications of user's access using Google Authenticator and **AWS** Virtual MFA.
* Developed **REST** web services authentication using Spring Security.
* Micro services had been built using Spring boot, Spring security and deployed to **AWS** cloud.
* Experience with **Python** Boto3 SDK package**.**
* Created **AWS** Cloud formation templates for single, multiple VPC and **AWS** Services for repeatability of launching multiple application services in **AWS**, across multiple regions and **AWS** Accounts.
* Advanced knowledge of the primary **AWS** services (EC2, ELB, EBS, S3, VPC, IAM).
* Experience implementing **AWS** services in a variety of distributed computing environment.
* Implemented **IAM** user policies, permission and groups.

**Environment:** Java/J2EE, GIT, Amazon Web Services (AWS), Subversion (SVN), ANT, Maven, Ansible, Perl Scripts, Python, Ruby, Shell scripts, Fisheye, Selenium, Junit, Gradle, Mongo DB, Clear Case, Clear Quest.

**Client: Walt Disney, Orlando, FL Mar 2014 – Jun 2015 Role: DevOps Engineer**

**Responsibilities:**

* Deployed Puppet, **Puppet Dashboard**, and **Puppet DB** for configuration management to existing infrastructure
* Managed and configured hundreds of servers using **Puppet**, Automation of configuration and management through **Puppet**.
* Involved in DevOps migration/automation processes for build and deploy systems.
* Automated the build process using Bash and PERL.
* Experienced in Configuration Management, Cloud Infrastructure, and Automation like **OpenStack, Jenkins, SVN**.
* Develop learning manuals on key process and procedure regarding **JIRA** and Confluence.
* Installed and managed plugins for **JIRA** and Confluence in production environment.
* Published **JIRA** gadgets and dashboards on Confluence page.
* Installed and performed troubleshooting of **Atlassian** **JIRA**, Crucible code review tool.
* Well used and experience in deploying the code through web application servers like Web Sphere, Web Logic, Apache Tomcat.
* Implemented the supporting platform for **OpenStack** infrastructure on the cloud that all services and applications will rely upon.
* Deployed **OpenStack** private cloud as part of datacenter collapse, which utilized OpenStack

services such as glance, heat and nova compute.

* Deployed **OpenStack** private cloud as part of datacenter collapse, which utilized OpenStack services such as glance, heat and nova compute.
* Expertise in installing **OpenStack** using Packstack and Devstack.
* Used **Puppet** for centralized configuration management of essential services
* Provided backup support for **Jenkins** build environment.
* Worked on Puppet, Hudson, AnthillPro, UBuild, Udeploy, Jenkins, Electric Cloud etc. to perform build and deployment management.
* Perform system updates, configuration, changes, additions, removals through predefined change control procedures in multiple environments from Test/Dev to Production.
* Successful Administrating the **Udeploy** by creating required QA and DEV servers. Assigning team roles and properties in **Udeploy.**
* Wrote **Shell Scripting** to check security setting of the server and to change the server settings
* Monitored file system space using **shell scripts** **resize file systems** as and when required.
* Worked with the team toevaluate automation product Puppet for adaptability.
* Adopted **Puppet** for the Automation of the environment and worked on Installation and configuration of **Puppet**. Deployed of staging environments using Vagrant and Docker.
* Adopted **Jenkins** for CI practice and revised existing build procedures. Created multiple **Maven, Shell scripts** for build automation and deployment.
* Documented the SCM process and policies of the company and recommended some process changes.

**Environment:** Java/J2ee, GIT, Jenkins, SVN, Puppet, OpenStack, ANT, MAVEN, Shell (bash), Apache Tomcat Application Server, Python, Linux, JIRA.

**Client: AAA Insurance, Phoenix, AZ Oct 2011 – Jan 2014**

**Role: Sr Build and Release Engineer**

**Responsibilities**:

* Responsible for daily builds and deployments from Development through various testing environments.
* Performing day to day admin activities like creating and managing Build, deploy activities and improving the release process.
* Developed and maintained build and release documentation and baseline builds.
* Developed build scripts using **ANT**, and **Maven** as the build tool for the creation of the build artifacts like WAR or EAR files.
* Managed branching and Merging in a multi-project environment. Responsible for writing the Release Notes, documenting all the useful info about the release, software versions, changes implemented in current release, Defects fixed, Labels applied.
* Deployed **Java/J2EE** applications on to Apache Tomcat application servers and configured it to host the wiki website.
* Responsible for HTSN-Batch Management. Help support all Batch Management objectives with a focus on the Output Management Environments
* Represent Batch Operations at project/problem meetings and act as an interface for the support/business units
* Worked on global batch processing environment. Skilled in the use of several scheduling applications used on both the mainframe and open systems.
* Involved in design and maintenance of the **Subversion** Repositories, branching and the access control strategies.
* Assisted in Provisioning of Apache and Tomcat in Udeploy based on versioning matrix.
* Implemented & maintained the branching and build/release strategies utilizing **Subversion**.
* Authored **Ant** script which performs the end-to-end build of multiple modules for the application. Worked on Shell**/Bash/Perl** scripts for automation purpose.
* Coordinated with Project Managers, Developers and QA Analysts to ensure successful software build and deployment for test, staging and production environment.
* Development experience in **Java**, SOAP, Rest API web services, Eclipse, JSON, XML, and GIT, Jenkins.
* Prepared concise and accurate daily status report and weekly status reports about deployments and proactively communicated to stakeholders.
* Instructed/orchestrated Node.JS/Socket.IO project in relation to real-time data parsing.
* Implemented modules into Node.JS to integrate with designs and requirements.
* Built backend **REST API** with Node.JS, Express.JS.
* Monitor the required queues for incoming build requests and take necessary action to accomplish a request resolution and troubleshoot the build related issues.

**Environment:**  Java/J2EE, Subversion, Jenkins,Sun Solaris, WebSphere, Perl script, Maven, AntHill Pro, Ubuild, Udeploy, Node.JS, Middleware like Batch Management.

**Client: Barclays, Wilmington, DE Aug 2010- Sep 2011**

**Role: Java Consultant/SCM Engineer**

**Responsibilities**:

* Responsible for daily builds and deployments from Development through various testing environments.
* Performed day to day admin activities like creating and managing Build, deploy activities and improving the release process.
* Developed and maintained build and release documentation and baseline builds.
* Responsible to perform Build operations with ANT, Maven Scripts, while implementing the required modifications in the ANT Script to perform build operations, in accordance with requirements of the project.
* Developed build scripts using ANT, Maven as the build tool for the creation of the build artifacts like WAR or EAR files.
* Automation experience using **Selenium**IDE/RC/ Web Driver and TestNG framework.
* Designing and developing Continuous Availability Testing framework to ensure that all components as part of SOA Backplane is up and running along with working web services in **HUDSON**
* Performed parameterization of the automated test scripts in **Selenium** to check how the application performs against multiple sets of data.
* Performed Manual Testing and automated Testing using Selenium, JUnit, NUnit.
* Experienced in writing **JUnit** Test cases for Java and J2EE Applications.
* Developed and Executed **JUnit** Test cases using Eclipse IDE
* Created **JUnit** Test Cases, Test Suites using for **Java** Service Layer which was developed using Spring.
* Designed, executed and maintained **Selenium** Web Driver, Testing, automated test cases for regression test cases.
* Development experience with **Java** such as IO, Multithreading, Collections and Exception Handling
* Good knowledge at SOAP/WSDL and REST FUL interfaces in java. Created and executed both load and functional tests for web services
* Implemented **Java** to XML binding.
* Proficient in developing applications using Java/J2EE design patterns and industry's best design practices.
* Implemented Services using Core **Java**. Developed and deployed UI layer logics of sites using JSP.
* Performed parameterization of the automated test scripts in **Selenium** to check how the application performs against multiple sets of data.
* Experience in developing web applications using **Java**, JSP, Servlets and Java Beans.
* Generate Excel Reports in **Java** using Open Source solutions like JXLS and JExcel and docx4j API.
* Handled **Java** multi-threading part in back-end component, one thread will be running for each user, which serves that user.
* Designed asynchronous messaging using **Java** Message Service (JMS) to exchange of critical business data and events among J2EE components and legacy system
* Experience in developing web applications using **Java**, JSP, Servlets and Java Beans
* Managed branching and Merging in a multi-project environment.
* Coordinated with Project Managers, Developers and QA Analysts to ensure successful software build and deployment for test, staging and production environment.
* Coordinated configuration changes for multiple concurrent projects, including new systems, major releases and maintenance releases.
* Experience in compliance with and administration of rules, procedures, standards, and regulations.
* Created and managed continuous integration process for builds and deployment using Hudson.
* Implemented Release schedules, communicated the release status, created roll-out plans, tracked the project milestones.

**Environment:** Java, SVN, Hudson, Unix, Linux, Maven, Ant, Selenium’s, JUnit.

**Education:** Bachelor’s of Engineering in Electrical and Electronics from Andhra University, Visakhapatnam /2010, India.