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**Abhishek**

**Profile:**

* Having around 8 years of experience in IT industry comprising of delivery management, design, development, release & deployment, and cloud implementation
* Amazon Web Services certified solutions architect.
* Good experience on DevOps tools such as **Chef, Vagrant, Virtual Box, Puppet, Ansible, Jenkins, Maven, ANT, SVN, GIT,** and **Docker.**
* Implemented **puppet** modules to automate the installation and configuration for a broad range of services.
* Well versed with creation of **puppet profiles** and **role** modules.
* Leveraged **Hiera** to create various re-usable puppet modules.
* Written **Chef** Cookbooks for various DB configurations to modularize and optimize end product configuration
* Implemented Chef Recipes for Deployment on build on internal Data Centre Servers. Also re-used and modified same Chef Recipes to create a Deployment directly into Amazon EC2 instances.
* Used Chef for server provisioning and automating infrastructure.
* Development and version control of **Chef** Cookbooks, testing of Cookbooks using Food critic and Test Kitchen and running recipes on nodes managed by on premise **Chef** Server.
* Well versed with **Ansible** Playbooks, modules and roles.
* Experience in Infrastructure Development and Operations involving AWS Cloud platforms, **EC2, EBS, S3, VPC, RDS, SES, ELB, Autoscaling, CloudFront, CloudFormation, ElacticCache**, **CloudWatch, SNS**.
* Strong Experience on **AWS** platform and its dimensions of scalability including VPC, EC2, ELB, S3, and EBS, ROUTE 53.
* Ensure data integrity and data security on **AWS** technology by implementing **AWS** best practices.
* Ability to identify and gather requirements to define a solution to be build and operated on AWS.
* Experienced in cloud automation using **AWS** cloud Formation Templates, Chef, Puppet.
* Well versed with **Openstack** based cloud infrastructure.
* Set up Continuous Integration for major releases in **Jenkins**.
* Knowledge on **SaaS, PaaS** and **IaaS** concepts of cloud computing architecture. Implementation of AWS (IaaS) and **Openstack**.
* Used **security** **groups** to develop a logical firewall to ensure high security for control applications.
* Extensively worked on **Jenkins for continuous integration** and for End-to-End automation for all build and deployments.
* Knowledge and experience in creating **Jenkins** Pipeline.
* Experienced with build automation tools like Ant and **Maven**.
* Experienced with **Docker** container service.
* Dockerized applications by creating **Docker images** from **Dockerfile**.
* Experienced in **Branching, Merging, Tagging** and maintaining the version across the environments using SCM tools like **GIT** and Subversion (**SVN**) on Linux platforms.
* Used **GIT**to keep track of all changes in source code.
* Experience in various **IaaS** architectures including **Redhat OpenStack**, VMware vCloud suite, Eucalyptus, and Cloud Stack, hypervisor technologies including Redhat KVM, VMware VSphere and Microsoft HyperV.
* Integration, deployment and automation of application servers **Tomcat**, **WebLogic** across Linux platforms.
* Experience in implementing and administering monitoring tools **Splunk** and **Nagios**.
* Experience in using Bug Tracking tools like **JIRA** and **HP Quality center**.
* Extensively experienced in **Bash, Perl, Python, Ruby** scripting on Linux.
* Automated the process of launching and stopping/terminating EC2 instances on Amazon **AWS** with **BOTO**.
* Used Python fabric for AWS instance provisioning.
* Experience in administrating, deploying and managing **UBUNTU** and **centOS** servers.
* Expertise in Agile Testing Methodologies &Software Test Life Cycle (STLC).
* Experience of the full Software Development Life Cycle (SDLC) and Methodologies & Validations to ensure the Quality Assurance Control.
* Extensive experience in UNIX performance tuning and Capacity Planning.
* Experience in deploying system stacks for different environments like Dev, UAT, Prod in both on premise and cloud infrastructure.
* Strong experience in working in Linux and Windows environments.
* Good analytical, problem solving, communication skills and have the ability to work either independently with little or no supervision or as a member of a team.
* Excellent written and verbal communication skills, strong organizational skills, and a hard-working team player.

**Certifications:**

Amazon Web Services Certified Solutions Architect Associate.

**Technical Skills:**

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| **Operating Systems** | Linux (Red Hat 4.x,5.x, 6.x), UNIX, MS WINDOWS, AIX. |
| **Version Control Tools** | CVS, SVN, IBM Rational Clear Case, Perforce, RTC, GIT, Source Tree |
| **Languages** | C++, JAVA, J2EE, XML |
| **Scripting Languages** | SHELL, POWERSHELL, PERL, RUBY, PYTHON |
| **Databases** | My SQL, MS Access, Oracle 9i/10g/11g,DB2 |
| **Application Servers** | WEBLOGIC, WEBSPHERE, APACHE TOMCAT, JBOSS |
| **Tools** | ANT,MAVEN, HUDSON/JENKINS, CHEF, PUPPET, BUILD FORGE, CRUISE CONTROL, BAMBOO, NEXUS |
| **Bug Tracking Tools** | JIRA, REMEDY |
| **Cloud** | AWS EC2, VPC, EBS, AMI, SNS, RDS, EBS, CloudWatch, CloudFormation AWS Config, S3, Cloud Trail, IAM. VMWare. |

**Work Experience**:

**Capital One – Chicago, IL   Jan 2015 - Till Date**

**DevOps Engineer**

**Responsibilities:**

* Migrating and maintaining build and test environments into the Cloud Infrastructure.
* Designing and implementing CI (Continuous Integration) system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl & Python), and creating/configuring VMs (Windows/Linux).
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using **Subversion** (SVN) and **Git** source control.
* Developed AWS Cloud formation templates to create **VPC**, subnets, NAT, **EC2** instances, ELB, Security Groups.
* Managed Git repository, code merging, and production deployments.
* Analyze and resolve conflicts related to merging of source code for SVN and Git.
* Integrate and implement a complete cloud services framework (IaaS, PaaS, and SaaS) and cloud deployment model.
* Implement, maintain and support reliable, timely and reproducible builds for project teams.
* Reduce release time for staging and production releases through automation using **ansible**, **python** and shell and **PowerShell** scripts, integrated with Selenium/SOAPUI tests.
* Maintained build related scripts developed in shell for Maven builds. Created and modified build configuration files including POM.xml.
* Involved in monitoring and metering for Infrastructure as a Service (IaaS) for **Open Stack Cloud**.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Used Openstack to deploy **IaaS**.
* Created **Docker images** using a Dockerfile, worked on Docker container snapshots, removing images and managing Docker volumes.
* Used BOTO and Fabric for launching and deploying instances in AWS.
* Developed AWS Cloud formation templates to create VPC, subnets, NAT, EC2 instances, ELB, Security Groups.
* Used Cloud watch logs to move application logs to S3 and create alarms based on a few exceptions raised by applications.
* Used Cloud Front to deliver content from **AWS** edge locations to users, allowing for further reduction of load on front-end servers.
* Worked on moving middleware applications - infrastructure (IAAS) automation on AWS **EC2**.
* Manage network security using Load balancer, Auto scaling, Security groups and **NACLS**.
* Built Cloud infrastructure for Multi-Tier Applications with Failover and High Availability Mode.
* Support current migration of Data Center to Amazon Cloud.
* Used Azure cloud migrations/deployments - Web Roles, Worker Roles, Azure SQL - PAAS and IAAS.
* Experience configuring and updating the servers using configuration management tools like **Chef, Puppet** and **Ansible**.
* Worked with **LDAP**, **Active Directory**, **DNS** and **VLAN** technologies.
* Built Continuous Integration environment (**Jenkins**, **Nexus** and Continuous delivery environment (**puppet**, Yum, rsync Integrated delivery (CI and CD process) Using Jenkins, **Nexus, Yum** and puppet.
* Focus on continuous integration and deployment, promoting Enterprise Solutions to target environments.
* Implement and maintain the monitoring and alerting of production and corporate servers/storage using **CloudWatch**.
* Document system configurations, Instance, OS, and **AMI** build practices, backup procedures, troubleshooting guides, and keep infrastructure and architecture drawings current with changes.
* Provide oversight and guidance for the architecture, development best practices for application hosting, and infrastructure deployment for each application.
* Utilize **AWS CLI** to automate backups of ephemeral data-stores to S3 buckets, **EBS** and create nightly AMIs for mission critical production servers as backups.
* Use **puppet** Automation tools for configuration management in different systems.
* Responsible for maintaining 4-5 Different Testing/QA Environments and erection of the PROD Environment in **AWS**
* Experience with analysis of logs and performing root cause analysis for various issues coming up on daily basis
* Monitoring Live Traffic, logs, Memory utilization, Disk utilization and various other factors which are important for deployment.
* Utilize Puppet for configuration management of hosted Instances within **AWS**.Configuring and Networking of Virtual Private Cloud (**VPC**). Utilize S3 bucket and Glacier for storage and backup on **AWS**.
* Develop CloudFormation scripts to automate **EC2** instances.

**Environment:**Java, Linux, Maven, Nexus, Puppet, Jenkins, Docker, Ansible, Nginix, Nagios, IaaS, PaaS, SaaS, GIT,AWS EC-2, Route 53, S3, VPC, EMR, SQS, Autoscaling, Active directory, security groups, ELB, Shell Scripts, Unix/ Linux environment.

**Barclaycard -Henderson, NV  May 2013 – Dec 2014**

**DevOps Engineer**

**Responsibilities:**

* Involved in **DevOps** migration/automation processes for **build and deploy** systems.
* Implemented the Build automation process for all the assigned projects in Vertical Apps domain.
* Monitor the **UAT/Production** Environments for any down time issues by performing regular cron job updates in servers.
* Evolving new tools/methodologies to improve this existing process and show better results to all stakeholders.
* Setup various Team Projects into different Team Project Collections in **TFS** 2013.
* Support the code builds by integrating with continuous integration tool (Jenkins)
* Written **Maven** scripts, Installed **Jenkins**, written shell script for end to end build and deployment automation.
* Used Multi Factor Authentication to secure the **AWS** Account.
* Build server deployment on Cloud **(EC2)** servers with help of devops tools like Puppet.
* Implemented **JShint/JSlint** testing tool to automate the code review process and published the results on Jenkins as well the graph by comparing everyday nightly builds.
* Written the **Ansible** YAML scripts to configure the remote servers.
* To configure and maintain codebase to support the build and deployment of code on servers.
* Deployed **JAVA/J2EE** applications through Web Logic/Web Sphere Application servers. Comfortable and flexible with installing, updating and configuring various flavors of UNIX and Windows.
* **JIRA** is used as ticket tracking, change management and **Agile/SCRUM** tool.
* Manage **Github**, **gitlab**, mercurial, **SVN**, **TFS**, **HPALM** in agile **SDLC.**
* Worked on distributed version control system GIT for data integrity. Support for distributed and non-linear workflows.
* Architected and designed Rapid deployment method using **Chef** and **Ansible** to auto deploy servers as needed.
* Converted and automated builds using **ANT**. Scheduled automated nightly builds using **Subversion**.
* Maintained Continuous integration effort with **Subversion** along with scheduled builds.
* Created **Dockerfile** for each microservices and also changed some of the tomcat configuration file which are required to deploy Java based application to the **Docker** container.
* Merging and tagging need to be done after the code went live in environment.
* Maintain a Live Like environment to test any production issues on the setup and push it into production.
* Responsible for distributed applications across hybrid **AWS** and physical data centers.
* Configure and maintain stress server in different geographical location and provide setup in every release to perform stress testing.
* Configured **Docker** container for branching purposes.
* Configuration Management using **Subversion(SVN)** and maintaining admin related files.
* Automating the regular tasks in Subversion and streamlining the process of access to SVN.
* Migrated Projects from SVN to GIT.

**Environment**: Java/J2EE, Subversion, Jenkins, JIRA, TFS, Team city, Maven, GIT, ANT, Puppet, AWS, Python, Remedy, Docker, Ansible, Weblogic, Unix, Shell Scripting.

**Payless Shoes – Topeka, KS July 2012 – Mar 2013**

**Devops Engineer**

**Responsibilities:**

* Involved in setting up **JIRA**as defect tracking system and configured various workflows, customizations and plug-ins for the JIRA bug/issue tracker.
* Wrote and maintained various **Ansible** modules for the upstream Ansible repository.
* Integrated **Maven** with Perforce to manage and deploy project related tags.
* Installed and administered Tomcat repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Mentor Business Areas on Subversion Branching, Merging strategies concepts.
* Resolved update, merge and password authentication issues in **Jenkins** and JIRA.
* Involved in implementing Tool Suite (JIRA, Jenkins).
* Setting up continuous integration and formal builds using **Jenkins** with Maven and Tomcat repository.
* Built **Open stack** based infrastructure for Database as a service(DBaaS) and Load Balancer as a service(LBaaS).
* Installed and configured Confluence as the enterprise wiki to document development and change management procedures.
* Involved partially in deploying WARs/EARs (backend) through Weblogic Application Server console.
* Performed setup of clustered environment with **Weblogic Application Server**.
* Used **Shell** script to configure the Weblogic application server in all the environments
* Managed all the bugs and changes into a production environment using the Jira tracking tool

**Environment:** Java, Maven, Open stack, Ansible, Jenkins, Jira, Jenkins, Linux, Weblogic, Subversion, Shell scripting.

**Syscon Labs -Hyderabad, India  Dec 2010 – June 2012**

**Build & Release Engineer**

**Responsibilities**

* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases and using Version Control Tools likes Rational Clear Case, Rational Team Concert(RTC).
* Imported and managed multiple corporate applications into Tortoise **SVN**.
* Provided end-user straining for all Tortoise SVN, JIRA users to effectively use the tool.
* 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.
* Reduce release time for staging and production releases through automation using **python** and **shell** and **PowerShell** scripts, integrated with **Selenium/SOAPUI** tests.
* Created and maintained the **Python** deployment scripts for **Web Sphere** web application server.
* 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.
* 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, Perl Scripts, Shell Scripts, Ruby, XML, UNIX, Oracle10g, 11g, JIRA, Python.

**Aurobindo Pharma -Hyderabad, India  Apr 2008–Nov 2010**

**Installer development and configuration**

**Responsibilities:**

* Leading the Install module of entire **Agile PLM** suite.
* Develop custom plugins to support product installer customizations.
* Debug and fix installer for major and patch releases of product.
* Installation and configuration on App Servers **(OAS and WLS)** on different operating Systems **(Win/Sol/Linux/ AIX and HPUX)** in both stand alone and cluster mode.
* Closely work with release team and Product managers to update the platform matrix with respect to Hardware Resource and timelines as per the release road map.
* Weekly Build validation and update the status to Product manager.
* Deployment of **Agile Application** on different Application Servers and troubleshooting the deployment failures.
* Validating the Install Documents.
* Work with Product support Team to resolve customer install and Deployment issues and help them go live.
* Internal training on installation, deployment configuration changes to Doc team, support team and all the **QA/Dev**.

**Environment:** Windows, Solaris (SPARC, X86), Linux (RHEL, OEL), AIX and HP UX

**Application Servers:** Oracle Application Server, WebLogic Server.