**Vivek**



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**Career Highlights:**

* **Certified AWS DevOps Engineer** with 8+ Years of rich experience in product development as well as software services withprofessional Experience comprising of **System Administration**, Configuration Management, **Continuous Integration** (CI), **Continuous Deployment**, Release Management and **Cloud Implementations**.
* Over 4+ years of rich experience in setting up enterprise infrastructure on **Amazon Web Services (AWS)** including EC2, ELB, EBS, S3, Auto-Scaling, AMI, RDS, IAM,**Cloud Formation**, VPC, **CodeDeploy**, **Elastic Beanstalk**, CloudWatch, Cloud Trial etc.
* Experienced with Cloud Migrations to IAAS Platformslike AWS, **OpenStack, Azure**and **Google Cloud**.
* Championed in cloud provisioning tools such as **Terraform** and**CloudFormation.**
* Proficientwith SCM tools –**Ansibel, Chef, Salt**and **Puppet** for Deployment.
* Experienced in database technology such as Oracle, SQL, PLSQL, MySQL, PostgreSqland NoSQL databases such as Apache Cassandra, MongoDB.
* Proficient with**PYTHON, Ruby,** PowerShell, Pearl, Groovy and **Bash scripting.**
* Have strong experience in**LINUX/UnixSystem Administration**, System Builds, Server Builds, Installations, Upgrades, Patches, **Migration** and Troubleshooting of **RHEL** 4.x/5.x/6.x Servers.
* Possess extensive experiencedin**Hudson/Jenkins**, Bamboo, BuildForgeand Team City for continuous integration and for the end to end automation of builds and deployments.
* Experienced with**Nexus**,**NuGet** and Artifactory Repository for Maven and Ant builds.
* Hands on experience in container based technologies **Kubernetes**,**Docker** and **ECS**.
* Rich experience in using Build andAutomation tools like ANT, **Maven**and**Gradle**.
* Expertise in Branching, Merging, Tagging and maintaining the versions across the environments using **SCM** tools like **SVN, TFS, GIT**, CVS, Perforce.
* Experienced in working with IT infrastructure monitoring tools like **NagiOS**, **CloudWatch**, Zabbix, Datadog, AppDynamicsand **Splunk**.
* Experience in administering, integrating, and supporting middleware technologies like WebSphere Application Server,Weblogic, IIS, Apache Tomcat,Ngnix and JBOSS.
* Rich experience in using**Jenkins**,**UDeploy**, Octopus Deploy, **Bamboo** as Continuous Deployment tools to setup automated and scheduled deployments.
* Experienced with Bug tracking tool like **JIRA**, **Bugzilla** and Remedy.
* Experienced with DevOps/**Agile** operations process and tools (Code review, unit test automation, Build & Release automation, Service, Incident and Change Management).
* Experienced with Openshift platform in managing **Docker** containers and **KubernetesClusters**.
* Experienced with Code Quality tools like Sonar, JUnit, Jacoco.
* Proficient with test automation tools like HP QTP, Selenium, JMeter, SOAPUI.
* Experience with CI/CD in containerized **micro services** environment.

**Certifications**

* AWS certified developer - associate

**Technical Skills:**

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| **Build Tools** | ANT, MAVEN, GRADLE |
| **Version Tools** | SVN, GIT, Perforce, TFS |
| **CI-CD Tools** | Jenkins, Bamboo, Hudson, Udeploy, Octopus Deploy, TeamCity, TFS |
| **Web technologies** | HTML, CSS, XML, JAVA Script, JDBC, Servlets, JSP, JQuery, PHP |
| **CM Tools** | Puppet, Chef, Ansible, OpsWork |
| **Provisioning Tools** | Terraform, Cloud Formation |
| **Languages** | C, C++, C#, Python, Java, Java Script, HTML, CSS |
| **Scripting** | Bash Scripting, Python, Ruby, Pearl |
| **Database** | Oracle 11g, DB2, SQL Server, MySQL, DYNAMODB, Cassandra, MongoDB |
| **Operating Systems** | Windows server 2000/2003/2007/2008/XP, LINUX (RHEL 4/5/6/7), UNIX(11.0,11.11,11.23), Centos |
| **Bug Tracking Tools** | JIRA, Bugzilla, Remedy |
| **SDLC** | Agile, Scrum, Waterfall |
| **Cloud Technologies** | Amazon Web Services(AWS), Open stack, Docker, Azure |
| **Virtulization** | Vmware, Vagrant, Docker, Elastic Container Service, Kubernetes |
| **Monitoring Tools** | CloudWatch, Nagios, Datadog, Zabbix, Splunk, Sumologic |
| **Networking/ Protocols** | DNS, Telnet, LDAP, TCP/IP, FTP, HTTP, HTTPS, SSH, SFTP, SCP, SSL, ARP, DHCP and POP3 |
| **App/Web servers** | Apache Tomcat 7/8/9.x, JBoss 7.x, IBM Web sphere, Apache Web Server, Oracle Web logic, Ngnix |

**Charter Communications- Charlotte, NC**   **(Sep2015 to Present)**

***SrDevops/Cloud Engineer***

**Responsibilities:**

* Responsible for Implementation, **design**, **architecture**, and support of cloud based solutions across multiple platforms.
* Create and maintain highly scalable and **fault tolerant**multi-tier AWS and Azure environments spanning across multiple availability zones using **Terraform** and **Cloud Formation**.
* Write **terraform** scripts from scratch for building Dev, Staging, Prod and DRenvironments.
* Developed strategy to migrate Dev/Test/Production from an enterprise VMware infrastructure to the IaaS Amazon Web Services (AWS) Cloud environment.
* Worked on release management & deployment tools like AWS Code Pipeline, Cloud Formation, AWS Code Deploy.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Python, Ruby, and Docker.
* Deployed .NET and JAVA applications to application servers in an Agile continuous integration environment
* Create develop and test environments of different applications by provisioning Kubernetes clusters on AWS using **Docker**, Ansible, and Terraform
* Responsible for creating Jenkins pipeline for deployment using Ansible
* Utilized Ansible and Chef as configuration management tools to deploy consistent infrastructure across multiple environments.
* Followed agile principles and used JIRA for maintenance and Bug development tasks.
* Involved in design and deploymentof multitude of cloud services on AWS stack such as EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM, while focusing on high-availability, fault tolerance, and auto-scaling.
* Implement and maintain the monitoring and alerting of production and corporate servers/storage using AWS **CloudWatch**, **AppDynamics**, CloudTrial and **NagiOs**.
* Performed all Linux operating system, disk management and patch management configurations, on Linux instances in AWS
* Install Configure and Manage Monitoring Tools such as Splunk, Nagios, Cloudwatch for Resource Monitoring.
* Created automation and deployment templates for Relational and NOSQL databases (standalone and RDS), including Oracle, SQL Server, MongoDB and MariaDB in AWS.
* Used Atlassain products like JIRA, Confluence for issue tracking, documentation and code integration.
* Created and managed a Docker deployment pipeline for custom application images in the AWS cloud using Jenkins
* Migrate existing CI-CD setup from Teamcity and Salt to Jenkins and Ansible.

**Environment**: Git, Jenkins, Chef, Ansible, Terraform, Kubernetes, Docker, Nagios, Jira, AWS, Confluence, Java/J2EE, MAVEN, Web Logic,Tomcat, ShellScripts, Python, Splunk, SumoLogic, AppDynamics, NagiOS.

**Levis Strauss & Co- SFO,CA Mar 2014 to Aug 2015**

***AWS/DevOps Engineer***

**Responsibilities:**

* As an AWS Devops Engineer, I was responsible for automation and orchestration of cloud services offerings on AWS.
* I worked with product owners to understand desired application capabilities and testing scenarios.
* Migrated servers to IAAS platform including AWS and OpenStack environment.
* Installed the application on AWS EC2 AMI, Red hat, Ubuntu Instances.
* Involved in loading data from On-premises data warehouse to AWS's Cloud using different approaches like Sqoop, Spark and AWS Services
* Create build and deployment plans and schedule per requirement. Attend and update risks to Change & release board meetings.
* Identified the automation opportunities from the day to day operations. Helped developers by automating the routine tasks.
* Utilize AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS and create nightly AMIs for mission critical production servers as backup.
* Built scripts using ANT and MAVEN build tools in Jenkins to move from one environment to other environments.
* Developed AnsiblePlays to configure, deploy and maintain software components of the existing infrastructure. .
* Implemented automation with Chef on AWS for application testing, deployment and development.
* Worked on AWS ops work, AWS Lambda, AWS code deploy, AWS cloud formation and cloud foundry.
* Developed installer scripts using Ant, Python and UNIX for various products to be hosted on Application Servers
* Responsible for Build and Install Schedules using Unix Cron jobs
* Used Splunk to monitor the system logs as well as notify the incident management system upon exceeding thresholds.
* Automated Regular AWS tasks like snapshots creation using Python scripts
* Installed and configured splunk for log monitoring and also forwarded system stats to splunk indexer, created dashboards and alerts using this data
* Managed the configurations of the instances using Ops Code Chef. Written and modified various Cookbooks/Recipes for better management of the systems.
* Administration of Web based Internet/Intranet Client/Server multi-tire distributed applications; Installing Patches & packages on Linux Servers.
* Migrated VMware ESX 3.5 to ESX 4.0&vSphere ESXi 4.1 to ESXi 5.0.

**Environment:** AWS (EC2, VPC, ELB, S3, RDS, Cloud Trail and Route 53), Subversion, GIT, GITHUB, Docker, OpenStack, ANT, MAVEN, Jenkins, Chef, Puppet, LINUX, UNIX, Windows XP, SQL.

**Bank of America, Charlotte, NC** **Oct 2012 to April 2014**

**Role: *Devops Engineer***

**Responsibilities:**

* Develop and implement an automate Linux infrastructure using Puppet.
* Regular Build jobs are initiated using the Continuous Integration tool with Jenkins.
* Deployed AWS and Open stack components on multimode with high availability environment.
* Configured Jenkins for doing builds in all the non-production and production environments.
* Worked on build deployment, build scripts and automated solutions using Python, Perl and engaged in bash/ruby/shell scripting.
* Maintain Source Code Repository using GITHUB and performed different operations like Branching, Merging and Tagging as needed
* Build scripts using ANT and MAVEN build tools in Jenkins to move from one environment to other environments
* Create component templates and Component processes in IBM uDeploy, Configured Jenkins Jobs to work with u Deploy for post build kick-off's.
* Used 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 Ops Works stacks across 4 product platforms.
* Worked on 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.
* VMware ESX/ESXi 5.x installation, configuration and maintaince.
* 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 the development teams.
* Worked with Performance engineers on Configuration of the environment.

**Environment:** Java/J2ee, Puppet, Chef, OpenStack, Ant, Maven, GIT, SVN, Bamboo, Nexus Pro, Sonar, Jira, Remedy, Ruby, Shell Scripts, Tomcat, uDeploy, Jenkins.

**Redcentric PLC, Hyderabad April 2011 to Sep 2012**

**Build and Release Engineer**

**Responsibilities:**

* Designed and implemented Software configuration management (SCM) and change management (CM) solution using Jira, Clear Quest (Change Control tool)
* Used Team Foundation Server TFS andGIT as Version Control.
* Resolved merging issues during build and release by conducting meetings with developers and managers.
* Maintained servers used to build product releases. Installed daily builds on QA machines and ran preliminary performance Smoke Tests
* Developed Ant and Maven scripts to automate the compilation, deployment and testing of Web and J2EE applications.
* Incorporated the Code Quality Tools Find Bugs and Cobertura into Maven Projects.
* Administrated all aspects in Git and troubleshooted with merge conflicts
* Responsible for designing and deploying best SCM processes and procedures.
* Integrated automated build in Jenkins.
* Developed and maintained integration and release processes.
* Tracked all the changes in Jira tracking tool and provided metrics reporting for the project release activities.
* Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Successfully migrated SharePoint 2007 content into SharePoint 2010 using a database attach upgrade.
* Supported and developed tools for integration, automated testing and release management.
* Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.
* Used Jenkins for Continuous Integration and deployment into WebSphere Application servers.

**Environment:** Subversion (SVN), Git, MS Build, XML, Jenkins, Anthill pro, JIRA, Visual studio, PowerShell, Shell Scripts, Windows, Web Sphere Application Server.

**Wipro Pvt Ltd. Hyderabad, India. Feb2009 to Mar 2011**

***Java Developer/Build and Release Engineer***

**Responsibilities:**

* Involved in design, development, Object Oriented Analysis and testing of the application.
* Developed Action Servlet, Action Form, Action Class, Java Beans classes using Struts Framework.
* Designed and Implemented the J2EE Based with JDBC in Eclipse IDE.
* Work directly with management, vendors, and third parties to ensure database management applications operate at peak efficiency.
* Worked on Java server side programming using Servlets, and JSP. CSS is used to style Web pages, XHTML and XML markup.
* Participated in the release cycle of the product which involves environments like Development, QA, UAT and Production.
* Involved in Java, J2EE code deployment using Jenkins Jobs and Cron Jobs.
* Designed the application using Struts, spring and J2EE design pattern.
* Solved complex build/deployment processes throughout all phases of the SDLC.
* Test the application manually and run the JUNIT test suites.
* Developed Perl and shell scripts for automation of the build and release process.
* Assist in maintaining current build systems, developed build scripts, and maintained the source control system.
* Managed the source codes repository of multiple development applications using SVN
* Created analytical matrices reports for release services based on JIRA tickets.
* Implemented ANT builds to automate JAR, WAR and EAR.
* Responsible for migrating code from CVS, VSS, and Perforce to Subversion and ClearCase based on the requirements.
* Automated the JUNIT test cases to test the applications business logic.
* Responsible for design and maintenance of the Subversion (SVN) Repositories.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.

**Environment:** Subversion, Hudson, Apache Tomcat, Java/J2EE, ANT, JIRA, Shell Scripts, UNIX, LINUX, Windows XP.

**Education:**

B.Tech. in Electronics and Computer Science from *SNIST-JNTU,* 2008*, Hyderabad, India*