**C:\Users\rohit\AppData\Local\Microsoft\Windows\INetCache\Content.Word\AWS_Certified_Logo_294x230_Color.pngAbhinay Sai**

**AWS DevOps Engineer**

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**Email:** [Abhinaysai126@gmail.com](mailto:Abhinaysai126@gmail.com)

**Professional Summary:**

* An outstanding, self-motivated professional with over 8+ years of experience in IT industry with major focus on **DevOps,AWS,EC2, RDS, security groups, auto-scaling, load balancers (ELBs), Azure, Software Configuration and Build/Release Management, Maven, Chef, Puppet, Jenkins, Ansible, Terraform, Terragrunt, Docker, Packer, Kubernetes, Helm, Splunk, Ant,GIT, CVS, SVN**etc.
* Experienced in setting up the enterprise infrastructure on Amazon Web Services (**AWS**).
* Experienced in planning, deploying, and supporting **AWS** infrastructure.
* Worked on **AWS EC2, Security Groups, Elastic IP's, Load balancers, Auto-scaling groups, S3, elastic beanstalk, Direct Connect, VPC, Cloud watch, IAM** and several other services.
* Experience working with **IAM** to create new **roles, users** and **groups**across different accounts with custom build policies**.**
* Experienced in Developing and managing cloud VM's with **AWS** **EC2** command line clients and management console
* Experience in Monitoring resources such **as EC2, EBS volumes** and **Amazon RDS** services using **CloudWatch**.
* Experienced in managing **AWS** **Route53** to route traffic between different regions set alarms and notifications for **EC2** instances using **Cloud Watch.**
* Experience in creating various **CloudWatch** alarms to send an **Amazon Simple Notification Service (SNS)**.
* Experience in configuring **AWS S3** with lifecycle policies to backup files and archive files in **Amazon Glacier.**
* Experience in Developing **AWS** **CloudFormation** templates to create custom sized **VPC**, **subnets**, **EC2** instances, **ELB** and **security groups**.
* Experienced in automated deployment (**terraform, AWS CloudFormation**), and serverless architecture **AWSlambda** and other **AWS** services.
* Experience with **HashiCorp**tools (**Terraform**, **Packer**, **Vault**).
* Used **Terraform** to provision the instances on **AWS** Cloud.
* Provisioned largescale environments as infrastructure as a code using **Terraform**.
* ‎Built custom**Terraform** **Modules**forprojects to manage code as **DRY**.
* Provisioned the highly available **EC2** Instances using **Terraform and Ansible Playbooks.**
* Experience in Setting up the build and deployment automation for **Terraform** scripts using **Jenkins**.
* Implemented Production environment using **Terraform** with **Terragrunt** as a wrapper.
* Used **Packer** to create Automated Machine Images and automated the whole AMI creation process using **Jenkins**.
* Created **Amazon Machine Images (AMI's)** of **EC2** instances using **Packer**.
* Created custom**Kafka**, **zookeeperAMI's** using **Packer**.
* Configured **Kafka and Zookeeper** and deployed it across **Kubernetes** cluster.
* Experienced on **Container Orchestration** with **Docker** and **Kubernetes**.
* Involved **Kubernetes** Cluster Deployments using **Kops** and **Helm.**
* Building **Docker** image with **Packer** and provisioning with **Kubernetes**.
* Built a **MYSQL** server in a container and configured it to interact with **Grafana** as its back-end database and deployed it in a **kubernetes** cluster.
* Used **Kops** to build **Kubernetes** cluster and wrote **Helm** to deploy it.
* Deployed Services and applications in to **Kubernetes Cluster** using **Helm**.
* Configured**ELK**(**Elasticsearch**, **Logstash**, **Kibana)**, **Filebeats**, **Kafka**, **Zookeeper**, and wrote **Helm Charts** to deploy them in to **Kubernetes** clusters**.**
* Expert on infrastructure with **Docker** containerization**.**
* Configured **Docker** containers and created **Docker** files for different environments.
* Dockerized applications by creating **Docker images** from Dockerfile.
* Implemented build stage to build the microservice and push the **Docker container image** to the private docker registry.
* Integrated Technologies such as **Docker** and **Kubernetes** for a powerful cluster manager and orchestration system for running Docker Containers.
* Built **Jenkins** jobs to create **AWS** infrastructure from **GitHub** repos containing **terraform** code.
* Designed project workflow/pipelines using **Jenkins** and also managed different plugins inside **Jenkins** like **Maven, AWS CLI, Docker and Kubernetes.**
* Integrated **SonarQube** with **Jenkins** using periodic builds to test code quality and used **Kubernetesplugin** to deploy this application in to a **Kubernetes Cluster**.
* Integrated **Maven** with **Jenkins** for the builds as the Continuous Integration process, also Used Jenkins to perform automated **Builds** and **Deployments.**
* Implemented a Continuous Delivery framework using **Jenkins**, **Chef** in Linux environment.
* Developed build and deployment scripts using **MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Extensively worked on **Hudson and Jenkins** for continuous integration and for End to End automation for all build and deployments.
* Expert in creating**Jenkins** configurations to generate project artifacts as part of packaging and deployment activities.
* Expertise in Application Deployments & Environment configuration using **Chef, Puppet, Ansible.**
* Implemented **Ansible** to manage all existing servers and automate the build/configuration of new servers.
* Configured **Ansible** to manage **AWS** environments and automate the build process for core **AMIs** used by all application.
* Responsible for automated deployment of **Java** application in **Tomcat** Server.
* Experience in building new application and deployment through **Ansible** and managing them in production environment.
* Managing existing infrastructure and created new infrastructure using **Ansible** as **Configuration Management** Tool.
* Responsible for automating identification of application server and database server using **Ansible** Scripts.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, stack monitoring using **Ansible playbooks** and has Integrated **Ansible** with **Jenkins**.
* Experienced with **Ansible playbooks** and created various roles for applications, then deployed the Applications/Services on hosts.
* Used **Ansible** to manage systems configuration to facilitate interoperability between existing infrastructure and new infrastructure in alternate physical data centers or cloud (**AWS**).
* Used **Ansible** to Setup/teardown of **ELKstack(Elasticsearch, Logstash, Kibana)** and troubleshoot the build issues with **ELK** and work towards the solution.
* Development of automation of **Kubernetes clusters** with **Ansible**, writing playbooks.
* Wrote and tested **Chef cookbooks** using **Test Kitchen**.
* Worked on Setting up and maintaining automated environment using **Chef recipes**&**cookbooks** within **AWS** environment.
* Developed **cookbooks** using **chef** for Deploying services on Hybrid environments, both Windows and Linux.
* Configured and monitored distributed and multi-platform servers using **chef**. Defined **Chef** Server and workstation to manage and configure nodes.
* Using **Chef** deployed and **configured Elasticsearch, Logstash and Kibana (ELK)** for log analytics, full text search, application monitoring in integration with **AWSLambda** and **CloudWatch**.
* Written wrapper scripts to automate deployment of **cookbooks** on nodes and running the **chef** client on them in a **Chef-Solo environment**.
* Experience in configuring and managing **Chefmasterserver** and involved in developing **recipes** and **cookbooks**. Ability in development and execution of**Python**, **RUBY** and **SHELL** scripts.
* Experience configuring and managing **Puppet master** server and experience in updating and creating modules and pushing them to **puppet clients**.
* Experienced with **Nagios**, **CloudWatch** as IT Infrastructure Monitoring tool and knowledge on **Splunk**.
* Experienced with Databases Like **Oracle, SQL Server, MySQL, NoSQL (DynamoDB, Couchbase), Amazon Aurora**.
* Experienced in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like **GIT** and Subversion **(SVN)** on Linux platforms.
* Used both GIT and Bitbucket source control systems to manage code.
* Expertise on Source code control tools like SVN, Bitbucket (Git) and good knowledge on Branching and merging code lines in the GIT.
* Ability to write **Shell, Python, YAML andPerl** scripting and worked on **Splunk** for generating various metrics
* Having work experience in support of multi-platforms like **UNIX**, **IOS**, Linux and Windows of production, test and development server.
* Excellent experience in documenting and automating the build and release process.
* Involved in Linux Administration activities like troubleshooting of regular issues, configuration issues, applying patches, package management and file system issues.
* Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.

**Technical Skills:**

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| --- | --- |
| **Infrastructure as service** | AWS, EC2, LAMBDA, RDS, S3, IAM, OpenStack, Azure. |
| **Cloud Platform** | AWS (EC2, ELB, S3), OpenStack (Nova, Swift, Glance), Azure, Cloud Foundry, AWS ElastiCache, AWS Redshift. |
| **Application Servers** | Web Logic Application Server 9.x, 10.x, Apache Tomcat 2.0.x, JBOSS 4.x/5.x, Red Hat, WebSphere 6.x/7.x/8.x |
| **Log Management tools** | Elastic Search, Kibana, Grafana, Logstash. |
| **CI Tools** | Jenkins, ANT, Maven, Bamboo. |
| **Container Tools** | Docker, Kubernetes,Amazon ECS, Helm, Minikube. |
| **Infrastructure as Code** | Terraform, Terragrunt, CFT. |
| **Configuration Management tools** | Chef, Puppet, Vagrant, Maven, Ansible |
| **Virtualization** | VMware Client, Windows Hyper-V, vSphere 5.x, Datacentre Virtualization, Virtual Box, KVM, Power VM. |
| **Programming Languages** | C, SQL, HTML, PHP, XML, Bash, Perl and Shell Programming, JSP, Python and Ruby. |
| **Network Protocols/Services** | LDAP, TCP/IP, UDP, FTP, SFTP, HTTP/HTTPS, SSL, DNS, and DHCP. |
| **Operating systems** | Linux (Red Hat 4/5/6/7, CENTOS & SUSE), Windows servers [2003, 2008, 2008 R2, 2012, 2012R2], Windows 2000, XP, Windows 7, Ubuntu 12/13/14. |
| **Monitoring tools** | Splunk, Nagios,Cloud Watch, log Stash |
| **Scripting** | Perl, Python, Ruby, Shell scripting, YAML, JSON |
| **Data base technologies** | Oracle, SQL Server, MySQL, NoSQL (DynamoDB, Couchbase),Amazon Aurora. |
| **Version control tool** | Git, Git Hub, Git Lab, Bitbucket, CVS, SVN. |

**Certifications:**

**AWS Certified Developer Associate.** Validate at http://aws.amazon.com/verification Validation #: XYFE1D92KN1Q10SS

***Experience:***

**Sr AWS/CloudOps Engineer**

**Huntington Bank, Columbus, OH Dec 2017 to Present**

***Job Responsibilities:***

* Involved in **designing** and **deploying** multiple applications using **AWS** cloud infrastructure focusing on high availability, fault tolerance and auto-scaling of the instances.
* Experience in **AWS** Services such as **EC2, S3, EBS, VPC, ELB, Route53, Cloud Watch, Security Groups, Cloud Trail, IAM, CloudFront, EMR, RDS and Glacier.**
* Experience on **Amazon Web Services** for deploying **EC2** instances consisting of various flavors like **Amazon Linux AMI, Red Hat Linux Enterprise, SUSE Linux, Ubuntu Server,** and many more.
* Creating **public** and **private** subnets within the **VPC** and attaching them to the **EC2 instances** based on the requirement. Configured **ElasticLoadBalancers** with **EC2**, **Autoscaling** groups.
* Designed**Terraform** templates to create custom sized **VPC, subnets, NAT** to ensure successful deployment of **Web applications** and **databasetemplates**on **AWS**.
* Used **security groups,network ACLs, Internet Gatewaysand Route tables** to ensure a secure zone for organizations in **AWS public cloud.**
* Well Versed with Configuring Access for **inbound** and **outbound** traffic **RDSDB** services, **DynamoDB tables**, **EBS** volumes to set alarms for notifications or automated actions.
* Setting up **IAM** user roles with corresponding user and group policies using **JSON**.
* Created **SNS (Simple Notification Services)** and triggering it by **Cloud Watch** monitoring to send SMS or Email to desired recipients.
* Used **Terraform** to transform the infrastructure from on - premise to cloud.
* Worked on creating the modules driven **AWS** Infrastructure with **Terraform**. Created Infrastructure **Git** repositories for **Terraform**to launch the stacks.
* Expert in writing Templates for **AWS** infrastructure, as a code using **Terraform** to build Development, Testing, staging and production environments.
* Collaborate in the automation of **AWS** infrastructure via **Terraform** and **Jenkins** - software and services configuration via **Ansibleplaybooks.**
* Worked extensively with **Terraform** and wrapped it **Terragrunt** and managed the back-end state in **S3 Bucket**.
* Wrote **Ansibleplaybooks** to manage **Web applications**. We coordinated with **TerraformDSL** for automating inside the **AWS cloud**.
* Widely used **Terragrunt** for deploying the changes to the specific instance and provisioning.
* Wrote an **Ansible** role that combined with **Terraform** and **Terragrunt** will deploy an **Elastic Beanstalk** application and environment.
* Expertise in setting up **Kubernetes** on AWS for production using **KubernetesOperations** (**Kops**), a cluster management tool to spin up a highly available production cluster.
* Deployed production-ready **KubernetesClusters** on top of **AmazonEC2** instances using **KOPS**.
* Developed Production environment of different applications on **AWS** by provisioning **Kubernetesclusters** on **EC2** instances using **KubernetesOperations** (**KOPS**).
* Good experience in writing **Helm Charts**, **KubernetesYAML** files for deployment of microservices into **Kubernetes** clusters.
* Leveraging **kops** implemented a **KubernetesContainerOrchestration** solution within **AWS** allowing for easy management, creation and recovery of **AWS** assets.
* Managed **Kubernetes** charts using **Helm**. Created reproducible builds of the **Kubernetes** applications, managed **Kubernetes** manifest files and Managed releases of **Helm** packages.
* Worked with containerization tools, can implement transition to **Docker** and develop distributed cloud system using **Kubernetes** and **Helm** package manager for **Kubernetes**.
* Worked on **Docker hub**, creating **Dockerimages** and handling multiple images primarily for middleware installations and domain configurations.
* Used **Packer** to create golden images with the custom configuration.Knowledge on creating **Kafka**, **zookeeper** and baking AMI's by using **Packer.**
* Integrated **Docker** container-based test infrastructure to **JenkinsCI** test flow and set up build environment integrating with **Git** to trigger builds using Web Hooks and Slave Machines.
* Used **Kubernetes** to deploy Scale, Load Balance, Scale and manage **DOCKER** containers with multiple namespace versions.
* Implemented Continuous Integration using **Jenkins**.
* Generated scripts in **Maven**, **Perl**&**Bash** Shell for build activities in QA, Staging and Production environments.
* Developed build and deployment scripts using **MAVEN** as build tool in **Jenkins** to move from one environment to other environments.
* Installing/upgrading **Jenkins** infrastructure on multiple servers.
* Used **Ansible** for configuration management of hosted Instances within **AWS**. Configuring and Networking of Virtual Private Cloud (**VPC**).
* Automated various infrastructure activities like **ContinuousDeployment**, **applicationserver** setup, stack monitoring using **Ansibleplaybooks**.
* Developed **Ansible** scripts for an automated server provisioning and **Docker** images for reducing the time between provisioning and deployment.
* Configure and ensure connection to RDS database running on **MySQL** engines.
* Responsible for Plugin Management, User Management, regular incremental backups and regular maintenance for recovery.
* Conducted performance testing of **Apache**, **Tomcat, Nginx** management services.
* **Versioning** and **Source control** of codes using **GIT** concepts such as branching, merging, labelling/tagging, branches locking, **access control** and **integration**.

**Environment & Tools:** AWS (EC2, VPC, ELB, S3, RDS, IAM, Cloud Trail and Route 53), GIT, Bitbucket, VPC, Route53, EBS, SQL, ELB, Cloud watch, CloudFormation, Terraform, Kubernetes, Helm Charts, Packer,Ansible, Docker, Maven, AWS CLI, AWS Auto Scaling, Unix/Linux, Shell scripting, Nagios.

**Sr AWS/DevOps Engineer**

**Conduent Inc, Sandy, Uta**

**Aug 2016 to Nov 2017**

***Job Responsibilities:***

* Developed automated solutions for customer applications to be deployed to public cloud environments using immutable infrastructure deployments with **Terraform** and **Ansible**.
* Development and Automation for Deploying Containers, Applications, and Provisioning Public Cloud Environments with **Terraform, Ansible, Docker and Kubernetes.**
* Wrote **Terraform** / **Ansible** code for automating secure **VPC** creation as well as the deployment process of standing up secure **Jenkins** Server, **ELK** stack, Security Monkey, Snort IDS, etc.
* Managed **Dockerorchestration** and **Docker** containerization using **Kubernetes**.
* Expertise in setting up **Kubernetes** on **AWS** for production using **KubernetesOperations** (**Kops**).
* Launched **Docker** containers on pods on top of multi-node **Kubernetes** cluster in **AWS** environment with help of **Kops** and **kubectl**.
* Deployed **Kubernetes** clusters on top of Servers using **KOPS** and managed local deployments in **Kubernetes.**
* Used **Kubernetes** to **orchestrate** the **deployment**, scaling and management of **Docker** Containers.
* Worked with containerization tools, can implement transition to **Docker** and develop distributed cloud system using **Kubernetes** and **Helm** package manager for **Kubernetes.**
* Skilled in maintaining **Dockercontainerclusters** managed by **Kubernetes** and deployed **Kubernetes** applications using **helm** **charts.**
* Provided consistent environment using **Kubernetes** for deployment scaling and load balancing to the application from dev through production, easing the code development and deployment pipeline by implementing **Dockercontainerization** with multiple namespace.
* Used **Kubernetes** to deploy scale, load balance, scale and manage **Docker** containers with multiple names spaced versions using **helm** **charts**.
* Experience in working with **AWS** **Cloudadministration** which includes services like **EC2, VPC, ELB, S3, EBS, Elastic Beanstalk, AMI, SNS, RDS, DynamoDB, IAM, Route 53, Auto scaling, Lambda, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation and Security Groups.**
* Designed **AWS Cloud Formation** templates to create custom sized **VPC, Subnets, NAT** to ensure successful deployment of Web applications and database templates.
* Worked on **Docker** hub, creating **Dockerimages** and handling multiple images.
* Worked on designing and implementing continuous integration system using **Jenkins** by creating **Python** and **Shellscripts**.
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **GIT** and **Maven** to schedule the builds.
* Worked with Configuration Management automation tool **Ansible** and has worked on integrating **AnsibleYAML** Scripts.
* Created **Ansible** playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
* Worked with **Ansible** to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages also to assist in building automation policies.
* Managed a **PaaS** for deployments using **Docker**, **Ansible** which reduced considerably deployment risks.
* Created **Ansible** supported **YML** scripts to restart JBoss, Tomcat, and Jetty servers through GUI.
* Created **Ansibleplaybooks** for various automation purpose, file copy, permission changes, configuration changes, path specific folder creation.
* Maintained and Administered **GIT** Source Code Tool. Defined dependencies and plugins in **MavenPOM.xml** for various activities and integrated **Maven** with **GIT** to manage and deploy project related tags.
* Worked with logging/monitoring tools such as **Splunk**, **Logstash**, **CloudWatch** and **Nagios**.
* Managed Build results in **Jenkins** and Deployed using workflows.
* Used elastic search through **JSON** and **JavaAPI**.
* Created some new plugins by writing the scripts in **python** language.
* Involved in writing **SQL** queries to implement the schema related changes for internationalization and debugged the build errors using **SQL** queries to make sure Database is not corrupted.
* Designed and implemented scalable, secure cloud architecture based on **AmazonWebServices**.
* Strong use of scripting languages like **Shell, Bash, Python, Ruby, PERL and PHP.**

**Environment:**AWS (EC2, VPC, ELB, S3, RDS, IAM, Cloud Trail and Route 53), GIT, Bitbucket, VPC, Route53, EBS, SQL, ELB, Cloud watch, Cloud Formation, Terraform, Kubernetes, Helm Charts, Packer, Ansible, Docker, Maven, AWS CLI, AWS Auto Scaling, Unix/Linux, Shell scripting,Agile, Jenkins, Nexus, Puppet, Nagios WebLogic, TOMCAT, Python Scripts, Perl Scripts, Ruby Scripts, XML, Oracle, Unix.

**Sr AWS/DevOps Engineer**

**Sullivan Cotter LLC, Minneapolis, MnApril 2015 to July 2016**

***Job Responsibilities:***

* Experience in designing and deploying **AWS Solutions** using **EC2, S3, EBS, Elastic Load Balancer (ELB), Auto Scaling groups, AMIs.**
* Design roles and groups using **Identity Access Management (IAM).**
* Implemented messaging solution to automate device data sync with client database utilizing **Openshift** applications deployed on **AWS**.
* Using **Chef** deployed and configured **Elasticsearch, Logstash and Kibana (ELK) for log analytics,** application monitoring in integration with **AWS Lambda** and **CloudWatch**.
* Created and maintained automation of environment using **Chef recipes& cookbooks** within **AWS** environment.
* Wrote and tested **Chef cookbooks** using **git** and **Test Kitchen.**
* Written wrapper scripts to automate deployment of **cookbooks** on nodes and running the **chef** client on them in a **Chef-Solo environment.**
* Converting production support scripts to **Chef Recipes.**
* Implemented **Chef** to deploy the builds for Dev, QA and production.
* Worked on documentation - **Chef** Basics, Initial setup of Chef, Data bags implementation, Coding Standards, Cookbook document and Testing docs.
* Managed the configurations of the instances using **Chef**. Written and modified various **Cookbooks** / **Recipes** for better management of the systems.
* Created **ChefCookbooks** for sudo users and network configurations using **ChefServer**
* Wrote **ChefCookbooks**, **recipes** and pushed them onto Chef Server for configuring **EC2** Instances.
* Built and managed a large deployment of **UbuntuLinux** instances systems with **ChefAutomation** and written **recipes**, tools, shell scripts and monitoring checks.
* Used **Chef** to manage Web Applications, Config Files, Database Commands and Packages.
* Work station setup for **Knife** plug-in and establish connectivity between **Chef** Server and workstation.
* Designed and implemented **Chef**, including the internal best practices, **cookbooks**, automated cookbook CI and CD system.
* Made use of **Jenkins** for **ChefCI**, Thor for versioning, Berkshelf for dependency management and Test-Kitchen for testing and development.
* Developed automation **scripting** in **Python** (**core**) using **Chef** to deploy and manage **Java** applications across **Linux** servers.
* Worked on **Versioncontrol** setups like **GIT** and integration tools **Jenkins**
* Installed, Configured and **AdministeredHudson**/**Jenkins** Continuous Integration Tool.
* Collaborated in the automation of **AWS** infrastructure via **Terraform** and **Jenkins** - software and services configuration via **chefcookbooks**.
* Responsible for **Continuous Integration (CI)** and **Continuous Delivery (CD)** process implementation using **Jenkins** along with **PowerShell** to automate routine jobs.
* Experience in Container management using **Docker** by writing **Docker** files and set up the automated build on **Docker hub.**
* Worked on Microservices for Continuous Delivery environment using **Docker** and **Jenkins**.
* Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins.**
* Developed **shellscripts** for automation of the build and release process, developed **CustomScripts** to monitor repositories, Server storage.
* Worked on the installation and configuration of the monitoring tool **Nagios**.
* Implemented **Nagios core/XI** for monitoring Infrastructure resources.
* Set up customized monitoring with **Nagios, &PNP4Nagios Graphs** for the legacy and new environments.
* Automated **Nagios** services for database server, web-server, application-server, networks, file sizes**, RAM** utilization, Disk performances using **Python script in Chef.**
* To achieve Continuous Delivery goal on high **scalable** environment, used **Docker** coupled with load-balancing tool **Nginx**.
* Bootstrapping automation scripting for virtual servers, using **VMWare** clusters.
* Worked on **Apache** and **Firewalls** in both development and production.

**Environment:** Chef, Docker, AWS, Maven, Sonarqube, Nagios, Python, Shell, VMware, Java, Ant, Maven, Jenkins, Hudson, GIT, SVN, Apache Webserver, JBoss, Apache JMETER, GIT, SVN, Windows, Ruby, Chef, JIRA.

**AWS/DevOps Engineer**

**Uptake, Chicago, IL Dec 2013 to March 2015**

***Job Responsibilities:***

* As a Build and Release Engineer accelerated the project timelines by enabling seamless collaboration, integration and communication in the software development community. Designed and implemented Continues Integration process and tools with approval from development and other affected teams.
* Managed Windows virtual servers and **Ubuntu Linux (Rackspace and AWS EC2**) with **Puppet** using **Git**.
* Defined processes to build and deliver software baselines for internal as well as external customer's engine to build and promote applications to **DEV, QMG, UAT, PROD, and DR to UNIX** environments.
* Managed the development activities for the multiple server instances by enabling password less SSH communication between the servers.
* Worked closely with the development team in the design phase and developed use case diagrams.
* Integrated **Maven** with **shell scripts** created in bash to automate the deployments for the **Java** based applications.
* Performed Design, involved in code reviews and wrote unit tests in **Python**.
* Extensive experience of working with the release and deployment of large-scale .**Net Java/J2EE Web** applications.
* Key role in understanding the business functionality, business requirements and technical specifications of the applications / clients ensuring strict adherence to the same.
* Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes
* Experienced in setting up Continuous Integration environment using **Jenkins.**
* Building and monitoring software projects continuously with CI tools like **Jenkins and Hudson.**
* Used the continuous integration tool **Jenkins** to automate the daily processes.
* Worked on Oracle Databases there by connecting different environments to these databases in lower and production environments. Automated the cloud deployments using **Puppet**, **Python** and AWS **CloudFormation** Templates.
* Created and updated **Puppetmanifests** and modules, files, and packages stored in the **GIT** repository.
* Lead Automation deployment team and worked with **Puppet**, written puppet modules for application deployment.
* Designed and implemented fully automated server build management, monitoring and deployment by using **DevOps** technologies like **Puppet**.
* Used **Puppet** Server and **Workstation** to manage and configure nodes.
* Build and Deployed **Java/J2EE** to a web application server in an **Agile** continuous integration environment and also automated the whole process.
* Created and maintained the **Shell** deployment **scripts** for web application servers.
* Involved in editing the existing **ANT/MAVEN** files in case of errors or changes in the project requirements.
* Coordinating the resources by working closely with Project Manager's for the release and Project Manager for all the Operational Projects.
* Source code configuration tools Subversion and **GIT** used for different projects.
* Imported and managed multiple corporate applications into Subversion (**SVN**).
* Developed and implemented the software release management for the release of web applications.
* Performed Load/Functional testing using Mercury Load runner and **HP QTP.**
* Designed a customized Status Reporting tool used currently, based on the specific requirements using **J2EE/Struts** and **WebLogic** Server with **DB2** as Database.
* Coordinated all the IT projects successfully by resolving release interdependencies
* Worked on **Confluence** to share knowledge with other teams
* Performed integrating, **JUnit** and code quality Tests as a part of build process.
* Implemented **Automated** Application Deployment using chef.
* Responsible for the development and maintenance of processes and associated **scripts**/tools for automated build, testing and deployment of the products to various developments.

**Environment**: Subversion (SVN), Puppet,Jenkins, Confluence, Java/J2EE, ANT, MAVEN, Web Logic, Python Scripting, Shell Scripts, Junit, XML, UNIX, WindowsXP, Oracle.

**DevOps Engineer**

**Zentech, Hyderabad, India September 2012 to November 2013**

***Job Responsibilities:***

* Performed version control administration using CVS.
* Worked closely with software developers and DevOps to debug software and system problems.
* Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Implemented Maven builds to automate JAR, WAR, and EAR.
* Wrote ANT and MAVEN Scripts to automate the build process and Shell/Perl scripts to automate the deployment process.
* Used Jenkins for Continuous Integration and deployment in JBoss Application Server.
* Worked with the Architects on SDLC process being the owner of post development environments
* Performed Load/Functional testing using Mercury Load runner and HP QTP.
* Coordinated Instance Refreshes and Environment Re-base lining.
* Coordinated all the IT projects successfully by resolving release interdependencies and planning release.
* Planning, scheduling and documenting releases at code Freeze Periods.
* Worked with many teams of strength more than 30 and managed 2 release/build engineers.
* Stand by administrator for Clear Case and PVCS.
* Performed Functional and Stress Testing for a few applications using Mercury Load runner.
* Installed and administered Artifactory repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Performed all necessary day-to-day Subversion functions for the project like merging, creating branches and tags using Tortoise SVN/ Visual SVN.
* Tracked backlogs and fixed bugs using JIRA.
* Integrated JIRA with subversion and configured with Jenkins to automate the entire Build and release process.
* Developed, maintained, and distributed release notes for each scheduled release.
* Kept track of all the releases and request of the developers through Infrastructure management tool.
* Supported engineering plans and schedules by providing CM/Release Engineering services to build, deploy, develop scripts, oversee branch and merge strategies, and build automated tools as necessary.
* Created tickets for bug stories and feature stories in JIRA with co-ordination of QA/BA team respectively and issued it to developers to fix bugs and include necessary feature add.
* Mentor Business Areas on Subversion Branching, Merging strategies concepts using Git SVN.

**Environment**: Subversion, AWS, Clear Case, Jenkins, Java/J2EE, ANT, MAVEN, DB2, UNIX, Windows Server 2003 Windows XP, Web Sphere, Perl Scripting, CVS.

**Linux Administrator**

**Reliance Retail, Hyderabad, India Feb 2011 to Sep 2012**

***Job Responsibilities:***

* Managed and administrated of all **UNIX** servers, includes **Linux** operating systems by applying.
* Relative patches and packages at regular maintenance periods using **RedHat** Installation, Configuration, up gradation and Administration of RHEL 3.x/4.x Using Jumpstart & Kickstart OS integration.
* Performed package installations, maintenance, periodic updates and patch management on Linux using **rpm/yum** and system administration tasks such as User/group account management, **LVM, file systems, disk management, load balance monitoring on servers and server health checks.**
* Responsible for configuring and managing **DNS, DHCP, NFS, FTP, SSH, LDAP, NIS** and **Squid** servers in **Linux**.
* Responsible for configuring real-time backup of web servers. Manage security of servers. Respond to work requests which include problem trouble-shooting, root cause analysis, executing scheduled changes, performance analysis.
* Wrote **Python scripts** for task automation and tracked disk space on servers through **shell** scripts.
* Managing services, maintaining and managing log files, monitoring event, logs and troubleshooting system problems using **Nagios** tool and resolve any reported issues.
* Responsible for reviewing open tickets, resolve and close any existing tickets using **BMCRemedytool**.
* Responsible for resolving network issues using network tools like ping, **TCP** trace route, **trace route** and **TCP** dump. Manage security of servers.

**Environment**: RHEL, Linux VMware, UNIX, python, Nagios, Red Hat.

**Education**

**Bachelors in Electronics and Communication Engineering from JNTU, India.**