**Siva Viswa**

**DevOps Engineer/AWS Cloud Engineer /Build and Release Engineer**

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**PROFESSIONAL SUMMARY**

* Skilled **DevOps**/**Cloud Engineer** with **8+ years** of hands-on experience in the IT industry on automation, Containerization, optimizing mission-critical deployments in Cloud **AWS, Azure & GCP**, leveraging configuration management, **CI/CD**, **Agile, Waterfall Methodologies** and DevOps processes.
* Fluent in several software lifecycle models, including **Waterfall, SDLC, and Agile-Scrum.**
* Expertise in setting up the enterprise infrastructure on Amazon Web Services (**AWS**) like **EC2** instance, **ECS**, **ELB, EBS, S3 Bucket, Security Groups, Auto Scaling, AMI, RDS, IAM, Terraform, Cloud formation, CloudFront & VPC services.**
* Involved in Configuring, automation and maintaining build and deployment **CI/CD** tools **GIT/GITHUB, Bit Bucket, Jira, Confluence, Jenkins, Bamboo,** Build **Forge, Ansible, Chef, Docker registry/daemon,**
* **Kubernetes, Terraform, Nexus and JIRA** for Multi-Environment **(Local/POC/NON-PROD/PROD).**
* Involved extensive work towards **code compilation, packaging, building, debugging, automating, managing, tuning,** and **deploying code** across multiple environments and **Linux Administration.**
* Expertise in improving **build & deployment** tools in **DevOps** through automation using **scripting languages** such as **JavaScript, Power Shell, Bash, Perl, JSON, Ruby, Groovy and Python etc.**
* Experience in Azure Cloud Services and its features **(compute, Network, Storage, web & Mobile App Services, Database Services Security, and Identity & Monitoring Services).**
* Experience in Amazon Cloud Services **(AWS)** and its features **(AWS EC2, VPC, EBS, AMI, APIs, Route 53, snapshots, Autoscaling, Cloud Formation, Lambda, SES, SQS, SNS, RDS, ELB, EBS, AWS-S3).**
* Experience on **ECS** (Elastic Container Service) with docker container service to run applications on a managed cluster of amazons **EC2** instances.
* Competence in designing **AWS cloud** models for Infrastructure-as-a-Service **(IAAS),** Platform-as-a-Service **(PAAS)** and Software-as-a-Service **(SAAS).**
* Architecture and deployment of solutions using VMWare**,** **Azure**, and **Amazon Web Services (AWS).**
* Extensive experience in building & deploying **EAR, WAR, JAR files** on test, stage & production servers.
* Experience in process automation from system administration tasks to **Continuous Integration** and **Continuous Deployment (CI/CD)** with **Jenkins/Bamboo & Ansible/Chef** tools.
* Experienced in Data management **collecting, keeping, and using data securely, efficiently, and cost-effectively**.
* Experience with **OpenStack** Services such as Compute, Network, Storage, Dashboard, Image, Identity, Monitoring, and Orchestration Service.
* Designed and Implemented a **Micro services** container **CI** and **CD** solution within **AWS/Azure** leveraging **Git**, **Jenkins, Docker, Terraform, Ansible and Kubernetes** Services.
* Hands-on experience in end-to-end data warehousing process methodologies, which includes developing warehouse SQL scripts, ETL Routines and **data quality** processes.
* Experience in all facets of full CM process with tools such as **SVN, GIT/GITLAB, TFS, ClearCase, ClearQuest, Cruise Control, Jenkins, Bamboo, Chef, Puppet, Salt stack and Ansible.**
* Proficient in automating **build and configuration process** using tools like **ANT, Maven, Gradle, Jenkins/Bamboo** and **Puppet/Ansible.** Created Build Jobs and Deployments in Jenkins.
* Evaluated **Kubernetes for Docker container orchestration**. Managed Kubernetes charts using **Helm** and created reproducible builds of the **Kubernetes applications**, templatize Kubernetes manifests, provide a set of configuration parameters to customize the deployment and Managed releases of **Helm packages**.
* Expertise in **WAMP (Windows, Apache, MYSQL, and Python)** and **LAMP (Linux, Apache, MySQL, and Python)** Architecture. Wrote deployment **recipes** for infrastructure management using **Terraform.**
* Experience on working with System health and performance Monitoring Tools like **Nagios, Splunk, Cloud Watch, New Relic, Elasticsearch, Kibana, AppDynamics etc.**
* Quality Assurance experience and working as a lead with strong expertise in Performance/Load/ Stress/Functional Testing using **LoadRunner, Soap UI Pro, JMeter** and QTP.
* Installed and configured **Chef Servers** and **bootstrapped chef client nodes** for creating data bags. Managed **Chef Cookbooks** to automate system operations. Used **Kubernetes** to deployed **Docker containers** into Pod Clusters on multiple Nodes in **QA, Test** and **Production** Environments.
* Experience in working with **AWS** Code Pipeline and Creating **Cloud formation JSON** templates which is converted to **Terraform** for infrastructure as code. Used infrastructure as Code with **Terraform** and **Ansible.** Automate Datadog Integrations through **Ansible Scripts** for **QA, Regression** and **Production.**
* Written **Templates** for **AWS** infrastructure as code using **Terraform** to build production environments.
* Handled large volumes of container clusters with **Docker swarm, Kubernetes** **Mesos** and **Marathon.**
* Experience in working with container-based deploymentsusing **Docker, Docker images, Docker file, Docker Hub, Docker Compose and Docker registries.**
* Worked with different Bug tracking tools like **JIRA, Trello, Rally.**
* Experience in other tools like **Terraform, Docker, Kubernetes**, several scripting languages, and **monitoring tools**.**Team player** with **excellent interpersonal skills, self-motivated, dedicated** and understanding the demands of **24/7** system maintenance and has good customer support experience.

**TECHNICAL SKILLS**

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| --- | --- |
| **Build Tools** | MAVEN, ANT, Gradle, MS Build. |
| **Bug Tracking Tools** | JIRA, Fisheye, Cucumber, confluence. |
| **Version Control Tools** | GIT, SVN, Clear Case. |
| **Automation container** | Docker, Kubernetes, marathon and Mesos. |
| **Continuous Integration** | Jenkins/Hudson, bamboo, Team City, Build Forge. |
| **Continuous Deployment** | Puppet, Ansible, and Chef. |
| **Cloud services** | Amazon Web Services (AWS), and Microsoft Azure EC2, RDS, VPC, S3, ROUTE53, SNS, SQS, Cloud front, EBS, ELB, Cloud watch, Elastic beanstalk, Open Shift, OpenStack, and Cloud trail. |
| **Monitoring tools** | Nagios, Splunk, Elasticsearch, SonarQube, cloud watch Jfrog. |
| **Operating Systems** | RHEL (5.x, 6.x, 7x), SUSE Linux (9,10,11), Sun Solaris (9,10,11), CentOS 5,6, Windows 2003, 2008, VMware ESX (3.5,4.0). |
| **Networking** | TCP/IP, NIS, NIS+NFS, DNS, DHCP, WAN, SMTP, LAN, FTP/TFTP, TELNET, Firewalls. |
| **Database Servers** | MYSQL, MSSQL, Oracle and MongoDB, DynamoDB, Cassandra |
| **Web/Application Servers** | WebLogic, WebSphere, JBoss, Apache Server, Apache Tomcat. |
| **Scripting Languages** | Bash and Korn Shell scripting, Perl, Ruby, Python, YAML, Groovy. |
| **Languages** | C, C++, .NET, Java/J2EE, PHP. |
| **SDLC** | Agile, Scrum, and Waterfall. |
| **Deployment Tools** | U-Deploy, Octopus Deploy, Run deck. |

**PROFESSIONAL EXPERIENCE**

**Client: AT&T, Richardson, TX Nov 2020 –Present**

**Role- DevOps/Cloud Engineer**

**Responsibilities:**

* Implemented Large Scale Cloud Infrastructure (250+ servers) using **AWS**resources - **IAM, Elastic IP, Elastic Storage, Auto Scaling, VPC** (NAT, Peering, VPN)**, EC2, EBS, APIs ELB, Route 53, RDS, SES, SNS, SQS, Ops Works, EMR, Red Shift, Cloud Formation, Glacier, RDS, CloudFront, Code Pipeline, Code Deploy, KMS, S3, Elastic Map Reduce (EMR), AWS IoT, LAMDA (Server less), Elastic Bean stalk, ECS, Cloud Trail, API Gateway, Snow Ball.**
* Utilizing **AWS Storage Gateways**, performed 500+ GBs of Data Migration to **AWS S3**. Also, Configured **AWS IAM** and **Security Group** in **Public** and **Private Subnets** in **VPC**. Supported 400+ AWS Cloud instances and used **AWS CLI** to manage and configure various **AWS products**.
* Migrated 100+ servers from on premise to AWS Cloud. Developed strategy to migrate **Dev/Test/Production** from an enterprise **VMware** to the **IaaS** **Amazon Web Services (AWS)** Cloud environment. Experience in installing and configuring **Pivotal Cloud Foundry environments (PCF).**
* Worked with **Terraform** to create stacks in **AWS** from the scratch and updated the **terraform** as per the organization’s requirement on a regular basis.
* Analyzed user requirements, understood business rules in order to build the Enterprise-wide **data quality** Environment.
* As part of continuously delivering **Agile** team, develop, test, and deploy Data platform features Develop & automation using **Ansible, Python** based framework using **Ansible** to Setup/teardown of **ELK Stack**.
* Developing scripts for build, deployment, maintain related tasks using **Jenkins, Docker, Maven, Python.**
* Developed the Java implementation effort using **JavaScript**, **Servlet**, **JSP**, **JDBC**, and **XML** that utilized **IBM** WebSphere Application Server, **IBM** **HTTP** Server, **DB2**, Development tool used is Visual Age for **Java**
* Worked with Struts (**MVC** Paradigm) components such as Action Mapping, Action class, Dispatch action class.
* Installed, Configured, Administered **Jenkins** Continuous Integration Tool also automated Continuous Build and deploy Scripts for Jenkins. Also, configured **Elastic Load Balancers** with **EC2 Auto scaling groups**.
* Used **AWS Beanstalk** for deploying and scaling web applications and services developed with **Java, PHP, Node.js, Python, Ruby,** and **Docker** on familiar servers such as **Apache,** and **IIS**.
* Use of **Docker**, **Kubernetes** and **OpenShift** to manage micro services for development of continuous integration and continuous delivery. Setup **Jenkins** tool to integrate the **JAVA** project and maintained **Jenkins** with **CI/CD**.
* Used **Terraform Configuration files** for creating AWS infrastructure which consist of API Gateway, Elastic Load balancers (Network and Application), IAM roles, DNS using Route 53 services
* Built docker images of Elasticsearch, log stash, & Kibana and pushed into Artifactory repositories Also, was a part of team for analyzing **micro services** management using **Docker, Apache Mesos and Marathon.**
* Strong working knowledge in developing **Restful** **webservices** and **Micro** **Services** using **Golang**.
* Production Support for **SDLC cycle** by using **Docker containers** delivered to **OpenShift** Containers.
* Extensive usage of **Amazon Web Services (AWS)** Virtual **Private Cloud (VPC), Cloud Formation, Cloud Front, EC2, RDS, S3, Route53, AWS-Lambda, SNS, SQS, Cloud Trail.**
* Integration of user-facing elements developed by front-end developers with server-side logic using **Node.js**.
* Used **AWS** Beanstalk for deploying and scaling web applications and services developed with **Java**, **PHP**, **Node**.**js**, **Python**, **Ruby**, and **Docker** on familiar servers such as **Apache**, and **IIS.**
* Deploying **REST** **API** in **Kubernetes** and hosted with **AWS**.
* Enhanced, fixed functional and performance related bugs in core product written in **GO (Go Lang).**
* Using **Datadog**Ops monitoring servers and integrates in **Cloud watch, Chef, Puppet** and **Ansible** etc.
* Experienced in writing **terraform** modules for automation the Creation of **VPC-VPN** from data center to Prod environment and Cross account VPC Peering.
* Used **Jenkins** and Pipelines which helped us drive all micro services builds out to the **Docker** registry and then deployed to **Kubernetes.** Used **ARM templates** and **Ansible** to install software and automate.
* Developed internal tool Quick Deploy for runbook automation, and automated release and deployment Management process **using shell scripts, windows batch, and python with Run deck and Jenkins.**
* Used **ANT** and **MAVEN** as a build tool on **java** projects for the development of build artifacts on the source code. Converting the **ANT** Build projects to **Maven** Build projects.
* Good understanding of OpenShift platform in managing **Docker containers and Kubernetes Clusters.**
* Hands on experience with **Docker** containers to maintain **Docker images, Docker hub & registries.**
* Worked on Designing, Installing and Implementing **Ansible** configuration management and writing playbooks for **Ansible** using **YAML** and deploying applications. Test Playbooks on **AWS instances** using **Python.** Experimented playbooks for **Ansible** and deploying applications using **Ansible.**
* Hands on experience on **big data management stores** and processes data in a data lake or data warehouse efficiently, securely, and reliably, often by using object storage.
* Wrote **Ansible Playbooks** with **Python SSH** as the Wrapper to Manage Configurations of **AWS Nodes**.
* **Skilled in monitoring servers using Nagios, Cloud watch and ELK Stack Elastic Search Log stash.**
* Used **Spring** **MVC** with Spring **Restful** Template to Produce and consume Health-based **Restful** Web Services from scratch.
* Implemented **Terraform** modules for deployment of applications across multiple AWS cloud platform.
* Designed configurable **REST** **APIs** on demand using **Go**.
* **AMI** Creation for **CD/CI** using **boto** **API**.
* Managed **Kubernetes** charts using Helm. Created reproducible builds of the **Kubernetes applications**, templates **Kubernetes manifests**, provide a set of configuration parameters to customize the deployment and Managed releases of Helm packages.
* Integrated **Maven/Nexus, Jenkins, Urban Code Deploy** with **Release for Git, Jira** and **Cloud Foundry.**
* Wrote **python scripts** using **Boto3** to automatically spin up the instances in **AWS EC2** and **OPS Works stacks** and integrated with Auto scaling to automatically spin up the servers with configured AMIs'.
* Participated in capturing and analyzing the **payment** channels, payment types, message types and APIs between payment initiation channels and payment processing systems.
* The deliverable included detailed documentation on **Payment** data flows for Outbound and Inbound transaction for Wires and ACH payments.
* The transaction flows included **Actimize fraud analytics** and fraud detection API for monitoring transactions in real time, allowing for targeted interdiction to minimize losses to improve customer experience. The **Fraud detection** application called IRIS utilized Actimize to streamline fraud operations and support core fraud management functions such as alert routing and prioritization, workflow management investigation, and operational performance reporting.

**ENVIRONMENT:** AWS EC2, S3, RDS, AMI, IAM, Redshift, AWS-Lambda, VPC, Chef, Java, Git, Jenkins, Terraform, Python, Linux, Bash, Groovy, Windows, PCF, Rest API, Ant, Maven, Nexus, Kubernetes, U-deploy, SQL, Selenium, UNIX, SVN, Docker, Jira, Python, Ruby, Shell Scripts, Tomcat, Ansible, Nagios, Splunk.

**Client: Careington, Frisco, TX Dec 2019 to Oct 2020**

**Cloud / DevOps Engineer**

**Responsibilities:**

* Expertise in **AWS Cloud platform** and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, EBS, CloudWatch, Cloud Trail, CloudFormation AWS Configuration, Autoscaling, CloudFront, Lambda, IAM, S3, API Gateway Elastic Beanstalk, Code Deploy, Version1, Code Pipeline and Route53.**
* Enabled Logging on **S3 bucket access, VPC flow, CloudTrail, AWS configuration, IAM, AWS inspector, Lambda, RDS, DynamoDB, CloudFront, AWS API gateway, EC2** Application servers.
* Created, tested and deployed an End-to-End **CI/CD pipeline** for various applications using **Jenkins** as the main Integration server for **Dev**, **QA, Staging, UAT** and Prod Environments with **Agile** methodology.
* Building and recommending a **migration** approach to lift and shift the workloads to Azure /AWS or architecting a green field development and/or production platform for new applications. Able to help shape transition and transformation strategies
* Detailed understanding of public, private and hybrid cloud solutions with experience **migrating** traditional hosting/delivery models to public cloud services
* Configured **Elastic Load Balancers (ELB) with EC2 Auto scaling** groups.
* Developed and implemented the MVC Architectural Pattern using Struts Framework including JavaScript, EJB, and Action classes.
* Implemented highly interactive features and redesigned some parts of products by writing plain JavaScript due to some compatibility issues using jQuery.
* Created Identifying, alerting, diagnosing, and resolving faults in the **database system** or underlying infrastructure.
* Involved in File Manipulations, File Uploads using Node JS.
* Developed **RESTful web services** with **spring boot** support to handle data transfer between internal systems with various other applications.
* Performed detailed analysis of business and technical requirements and designed the solution by Visualforce, Force.com **API**, and **Web** **Services**.
* Integrated Jenkins with **uDeploy** and Created **uDeploy** Components, **uDeploy** process, installed **uDeploy** agents on both windows and Linux machines according to application team requirements.
* Developed **Groovy scripts** for **java application** deployment by using **Jenkins**.
* Designed and created **Data Quality** baseline flow diagrams, which includes error handling and test plan flow data.
* Created **Amazon VPC** to create public-facing subnet for web servers with internet access, and backend databases & application servers in a private-facing subnet with no Internet access.
* Made use of Jenkins Pipeline with Jenkins file for both **CI/CD** Deployment.
* Develops new weekly reports and ad hoc reports requests by pulling information from a proprietary **database Management** using Business Objects application and provide analytical assessment for Senior Management.
* Created **AWS** Launch configurations based on customized **AMI** and use this launch configuration to configure auto scaling groups.
* Used **Python** and **Pearl** as scripting language.
* Responsible for **OpenStack** project core infrastructure including code review, continuous integration systems, and developer tools
* Extensive knowledge and administration experience in **JIRA** and expertise in the CI tools like **Bamboo.**
* Created Web **APIs** using **ASP**.**NET** Web **API** allow new Web/Client projects to leverage reusable data.
* Used the **Java API** to **load**the **data** into Cassandra Clusters.
* Used **Azure Terraform** and **Azure Ops Works** to deploy the infrastructure necessary to create development, test, and production environments for a software development project.
* Using **Amazon Identity Access Management (IAM)** tool created groups & permissions for users to work collaboratively.
* Validate all new data as it introduced to the domain from a quality perspective. Ensure data is migrated to policy and quality and handover to appropriate **data management** organization. Ensure data migration policies are followed for all load processes
* Implementation/setup continuous project build and deployment delivery process using **Subversion, Git, Jenkins, IIS, Tomcat.**
* Setting up **continuous integration** and formal builds using **Bamboo** with **Artifactory** repository.
* Written **Chef Cookbooks** and recipes in **Ruby** to Provision several pre-prod environments consisting of **Cassandra** DB installations, **WebLogic** domain creations and several proprietary **middleware** installations.
* Writing **JSON** templates for **cloud formation** and **ruby** scripts for **chef** automation and contributing to our repository on **GitHub** (sub version control).
* Implemented **CI**/**CD** Automation Process using various CI Tool **Bamboo** CD Tool **Docker**.
* Develop active **Data quality** monitoring and measurement, establishing and publishing KPIs and SLAs.
* Backup Configure and Restore **Azure Virtual Machine** using **Azure Backup**.
* Used Docker and set up **ELK** with Docker and Docker-Compose. Implemented **ELK** (Elastic Search, Log stash, and Kibana) Stack for Application Logging.
* Worked on **Azure VPN**-**Point to Site**, **Virtual networks,** **Azure Custom security,** endpoint security and firewall.
* Installing and configuring of **Chef Server, Chef-solo** along with creating **Chef Cookbooks** and implemented latest releases of **Chef- Solo,** and written **Chef Recipes** to install and configure **Nagios** for monitoring Infrastructure.
* Experience with build tools **Ant** and **Maven** and writing **build.xml** and **pom.xml** respectively.
* Experienced in authoring **pom.xml files**, performing releases with the **Maven** release plug-in and managing Maven repositories. Implemented Maven builds to automate **JAR and WAR files.**
* Designed and built deployment using **ANT**/ **Shell scripting** and automate overall process using **SUBVERSION** and **MAVEN**.
* Helped developers in creating **uDeploy** snapshots, adding version to the snapshot during production installs.
* Worked on **Chef Cookbooks** and **Chef recipes** to automate infrastructure as a code.
* Setup the Chef Nodes, Chef Client, Chef Server, and Chef Workstation. Worked on Bootstrapping the Nodes secured the passwords and data using encryption data bag for **chef.**
* Implementation and Deployment of **Urban Code**/**UDeploy** application to dynamically deploy Client Webs.
* Implementing Continuous Delivery frameworks using **Jenkins, Chef, and Maven& Nexus** in **Linux** environment. Worked on Managing the Private Cloud Environment using **Chef.**
* Handled large volumes of container clusters with **Docker swarm, Kubernetes and Mesos.**
* Used **Docker** containers to maintain the gap between development & operations for security purposes.
* Used **Docker** to showcase the build micro services to modularize design and isolate the development of containers.
* Automation of test cases is done by integrating the HP QC plug-in with **Jenkins Server** which will automate whenever there is latest package available through the **CI server.**
* Setup the **Splunk server** and configured **AWS** for Splunk Addon, Install Splunk Agents and configured/Integrate Splunk to receive logs.
* Utilized **Jenkins** for enterprise scale infrastructure configuration and application deployments - checking out code from **SVN/Git** and use **Ant/Maven** to build **War/Ear artifacts.**
* Used **HP ALM, UFT, Rally, groovy, Jenkins, Control-M, Artifactory, Kubernetes, Version1, Spew, Docker, SoapUI, Load runner** on this project for testing reporting and other processes at different stages.
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing directory’s structure and managing containers.
* Handled **Jira** tickets for **SCM** Support activities.

**ENVIRONMENT:** AWS EC2, VPC, EBS, Lambda, AMI, SNS, RDS, EBS, Bamboo**,** Python, TFS, JSON, Java, Selenium web driver, Appium, Linux, Eclipse, Git, Ant, Chef, Maven, Subversion, UNIX, SVN, Docker, Jira, Pearl, Ruby, Shell Scripts, Tomcat, Jenkins, Splunk, groovy, Apache.

**Client: Anheuser-Busch, NYC, NY Jan 2018 to Nov 2019**

**Role- DevOps Engineer (Site Reliability Engineer)**

**Responsibilities:**

* Expertise in **AWS Cloud platform** and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, EBS, CloudWatch, Cloud Trail, AWS CloudFormation Autoscaling, CloudFront, Lambda, IAM, AWS-S3, API Gateway Elastic Beanstalk, Code Deploy, Version1, AWS-Code Pipeline and Route53.**
* Enabled Logging on **S3 bucket access, VPC flow, CloudTrail, AWS configuration, IAM, AWS inspector, Lambda, RDS, DynamoDB, CloudFront, AWS API gateway, EC2** Application servers.
* Design, integration, and management of **Amazon Web Services (AWS)** cloud solutions. Provisioning of **EC2 instances,** built via **Ansible,** and integrated into local area offices in **5 time zones.**
* Created, tested, and deployed an End-to-End **CI/CD pipeline** for various applications using **Jenkins** as the main Integration server for **Dev**, **QA,** **Staging,** **UAT** and Prod Environments with **Agile** methodology.
* Configured **AWS Cloud Elastic Load Balancers (ELB) with EC2 Auto scaling** groups.
* Profound **data management** skills and deep functional skills in data & information management and maintenance principles and capabilities.
* Created **AWS** Launch configurations based on customized **AMI** and use this launch configuration to configure **auto scaling groups**. Used **Shell, Python, Ruby** and **Pearl** as scripting language.
* Utilized **Puppet** for configuration management of hosted Instances within **AWS** configuring and Networking of **Virtual Private Cloud (AWS-VPC).** Utilized **S3 bucket** and **Glacier** for storage on **AWS.**
* Utilized **Puppet** for configuration management of hosted Instances within **AWS** configuring and Networking of **Virtual Private Cloud (AWS-VPC).** Utilized **S3 bucket** and **Glacier** for storage on **AWS.**
* Using **Amazon Identity Access Management (AWS-IAM’s)** tool created groups & permissions for users. Worked on **Chef Cookbooks** and **Chef recipes** to automate **infrastructure as a code (IAAS).**
* Implementation/setup continuous project build and deployment delivery process using **Subversion, Git, Jenkins, IIS, Tomcat.** Created Roles and profiles in **Puppet** and mapped them to the node group.
* **Puppet** automation, installing and configuring puppet 3.x server and agent setup, developing IHS, **WebSphere MQ 7.0,** Web Sphere Application Server Automation, **Apache 4.x/5.x, Jenkins, foremen.**
* Integrated **Jenkins** with **puppet** and configured data through the **pipeline plugins.**
* Used **Docker** to containerize Micro services in cloud and managed clusters using **Docker Swarm** and **Kubernetes**.
* Experience working on several **Docker components like Docker Engine, Hub, Machine, Docker Compose** and **Docker Registry,** creating **Docker images** andhandling multiple images primarily for middleware installations and domain configurations.
* Integrated puppet with **Jfrog** **Artifactory** and deployed the specific modules in **Jfrog Artifactory.**
* Executed Load Runner/**J meter** scenarios based on complex business scenarios with different monitors for Stress testing, Scalability testing, Failover testing, and Load testing.
* Installing and configuring of **Chef Server, Chef-solo** along with creating **Chef Cookbooks.**
* Configured service hooks in **TFS server** to puppet code manager after code is pushed to **TFS server**.
* Setup the **Splunk server** and configured **AWS** for Splunk Add on, Install Splunk Agents and configured/Integrate Splunk to receive logs. Wrote **Puppet** models for installing and managing **java** Apps.
* Used **HP ALM, UFT, Rally, groovy, Jenkins, Control-M, Artifactory, Kubernetes, Version1, Docker, SoapUI, Load runner** on this project for testing reporting and processes at different stages.
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing directory’s structure, and managing containers. Handled **Jira** tickets for **SCM** Support activities.
* Extensive knowledge and administration experience in **JIRA** and other **CI tools** like **Bamboo.**

**ENVIRONMENT:** AWS EC2, VPC, EBS, AWS-Lambda, AMI, SNS, AWS-RDS, EBS, Bamboo**,** Python, JSON, Java, puppet, Selenium, Appium, Terraform, Linux, Eclipse, Git, Ant, Maven, Kubernetes, Azure, Subversion, UNIX, SVN, Docker, Jira, Pearl, Ruby, Shell Scripts, Tomcat, Jenkins, Splunk, Chef, Apache.

**Client: Stifel, St Louis, MO. Sep 2015 – Dec 2017**

**Role- DevOps Engineer (Build and Release Engineer)**

**Responsibilities:**

* Possess Strong skills in application programming and system programming using **C++, C, QT** and **python** on **Windows** and **LINUX** platforms using Design Patterns and **Object-Oriented Programming concepts.**
* Installed **Jenkins**/Plug-in for **GIT** Repository, Setup **SCM** Polling for Immediate Build with **Maven** and Maven Repository (**Nexus Art factory**) and Deployed Apps using custom ruby modules through **Chef** as a **CI/CD Process**. Created and configured jobs, script for custom command builder, agents in **Bamboo.**
* Migrating **J2EE, PHP, .NET,** and Cold Fusion applications to **UNIX** and **Windows** environments by configuring application via **IDE Eclipse, Subversion.**
* Installed and configured **Red Hat Linux,** Established and schedule activities in test and production environments. Experience in working **GIT** for **branching, tagging, and merging.**
* Managed, installed, and configured **Microsoft Windows Server, Red Hat Enterprise Linux, CentOS, Ubuntu, IIS, .NET, Apache, Oracle WebLogic, Red Hat JBoss, Apache Tomcat, Oracle Database.**
* Worked closely with application developers to devise robust **deployment, operating, monitoring, reporting** for the **COTS applications**.
* Installing, configuring and administering Jenkins Continuous Integration (**CI**) tool on **Linux** machines along with adding/updating plugins such as **SVN, Maven, Puppet** etc.
* Deployment, implementation of **Subversion (SVN)** as source control, collaboration, and **QA tool.** Project management, versioning and blame/issue tracking using **Subversion (SVN).**
* Integration of **ANT/Nexus, Jenkins, Atlassian (Bamboo),** **Urban Code Deploy** with Patterns/Release**, GIT, Stash, Confluence, Jira and Cloud Foundry.** Created Build Jobs and Deployments in **Jenkins.**
* Involved in writing and organizing **Shell** and **Perl** scripting for building complex software systems.
* Migrated source control tool from Clear Case to **Subversion (SVN)** and build tool from **Ant** to **Maven.**
* Created **ANT** and **Maven** POMs to automate the build process and integrated them with tools like **Sonar, Nexus.** Deployed the **EARs** and **WARs** in **JBOSS** Application server using **ANT** script.
* Run release for all lower and production environments for almost forty different applications with various deployment tools **Jenkins, bamboo** and work closely with system engineers to resolve the issue.
* Configured the Web Logic handler for the **Apache Web server** to serve static files **(AngularJs, HTML, and images).** Configured **Git** with **Jenkins** and schedule jobs using Poll **SCM** option.
* Closely working with **Developers**, **QA,** **Performance** **UAT testers, IT Team**. Provided **24\*7** support on call.

**Environment:** Subversion (SVN), GIT, Ant, Maven, Bamboo, Veritas, LVM, .NET, PHP, Web Logic, Sonar, Jenkins, JBOSS, Perl Scripts, Shell Scripts, Bash, AngularJs, Nexus, Jira, Apache Tomcat, Cloud Foundry, Oracle Database, UNIX/LINUX, Java/J2EE, HTML.

**Client: Hilton, Nashville, TN Aug 2013 to July 2015**

**Java Developer/Linux Administrator**

**Responsibilities:**

* Participated in the Analysis and Design of the application **using UML/Rational Rose** and **Agile methodology.**
* Involved in developed the application using **Core Java, J2EE and JSP.**
* Worked to develop this **Web based application** entitled **EMR** in **J2EE framework** which uses **Hibernate** for persistence, Spring for Dependency Injection and Junit for testing. Used JSP to develop the front-end Apps.
* Designed and developed several **SQL Scripts**, Stored Procedures, Packages and Triggers for the Database.
* Used Indexing techniques in the database procedures to obtain search results.
* Involved in development of Web Service client to get client details from third party agencies.
* Install, configure, and maintain **Red Hat Linux 5.x/6.x** and **CentOS** servers using Kickstart and interactive installations procedures. Manage user and group accounts, grant access to users and lock user accounts.
* Install firmware upgrades, kernel patches, system configuration, and performance tuning on **Red Hat** Linux servers.
* Create disk partitions; make file systems as well as creating **LVMs**. Ensure resource optimization regarding memory CPU and disks. Monitor, troubleshoot and resolve **CPU,** **disk,** and memory issues.
* Configure **Apache** on **Solaris 10** for virtual and web hosting; building and hosting websites; configure web hosting. Install and configure samba for quick publishing using a third-party web page maker**. (LAMP & SAMP STACK).**
* Configure and troubleshoot **DNS** and well as **NFS** and **FTP** related issues.
* Manage system routine backups, scheduling jobs, enabling cron jobs, enabling system logging and network logging of server for maintenance. Installing and supporting **Apache on Linux production servers.**
* Working with Network backup administrators to schedule and run full backups of the Linux servers.
* Experience in performing automated tasks using puppet modules, creating profiles and manifests and deploying them across multiple servers. Create virtual machines using **VMware vSphere client 4.x and 5.x**.
* Occasionally present performance reporting to the appropriate body. Basic **bash scripting** experience.
* Provide bi-weekly weekend support for development and production servers. Ticketing system, Service now.
* Installed and upgraded packages using **YUM and RPM.**
* Monitored server performance using appropriate tools. Did log administration to detect system errors.
* Liaised with **Red Hat Support** on hardware issues where necessary. Took turns for 24/7 weekend production support. Wrote documents on server procedures. Resolved Application compatibility issues.
* Documented the policies and procedures for **branching, labeling, code merging, check-in/check-out, and builds.**
* Configured Virtual host containers for multiple servers. Upgraded server memory.

**Environment**: Java1.5, J2EE1.4, SpringFramework2.0, Hibernate3.0, Python, Web Sphere, Load Balancers,

Subversion, Oracle9i, PL/SQL, Toad, Windows, Linux/Unix, DNS, VMWARE, vSphere, NFS, LVM’s, Red Hat Linux 5/6.x, TCP/IP, Kernel, Windows, TCP/IP, GIT, Hudson, Java, Ant, WebLogic Server 11g, Windows, Shell, Apache Tomcat 5.5.

**EDUCATION**:Bachelor of Technology in Computer Science Engineering, JNTUH, INDIA. (2011)