**Kirti M**

**Sr. Splunk/DevOps Cloud Engineer**

**+1(949) 546-9062**

**kirthi.musher@gmail.com**

## Summary

8+ years of experience in IT industry with major focus on Cloud Computing, DevOps tools and technologies, Continuous Integration, Continuous Delivery, Continuous Deployment (CI/CD pipeline), Version Control, Build and Release management, Monitoring tools, Software Configuration Management, Linux/Windows System Administration & Automation.

* Hands on experience with Microsoft Azure Cloud services, Storage Accounts and Virtual Networks and Azure Fabric Services.
* Experienced in Designing, configuring, and deploying of Azure Virtual Networks (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Experienced in Provisioning of IAAS & PAAS Virtual Machines and Web\Worker roles on Microsoft Azure Classic and Azure Resource Manager.
* Experienced in migrate an On-premises Instances or Azure Classic Instances to Azure ARM Subscription with Azure Site Recovery.
* Experienced in Establishing connection from Azure to On-premises datacenter using Azure Express Route for Single and Multi-Subscription.
* Expertise in AWS Cloud Administration which includes services like EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work and Security Groups.
* Experience in designing and architect server less Web application using AWS Lambda, API Gateway, Dynamo DB and security token services (STS) and Configuring Inbound/Outbound in AWS Security groups according to the requirements.
* Experience with administration, maintenance and operations of different AWS Cloud resources and management services like Elastic Beanstalk, Lambda, SQS, SNS, Cloud Watch and Cloud formation templates
* Experience in Migrating On-premises infrastructure to cloud platforms like Aws/Azure/ Rackspace/Pivotal Cloud Foundry (PCF) and involved in virtualization using (VMware, VMware ESX, Xen) and infrastructure orchestration using containerization technologies like Docker and Kubernetes.
* Experienced in Set up Auto Scaling of the instance group using GCP CLI (Command line tools) and GCP cloud environments for DEV/QA environments and Provided proof of concept (POC) on designing serverless architecture using Cloud Dataflow, Cloud Data prep and Google Cloud Functions.
* Create clusters in Google Cloud and manage the clusters using Kubernetes(k8s). Using Jenkins to deploy code to Google Cloud, create new namespaces, creating docker images and pushing them to container registry of Google Cloud.
* Proficient Knowledge on OpenStack environment which include Keystone, Volume management using Cinder, network and port management using Neutron and VM management.
* Used Terraform modules for two tier Architecture which includes AWS resources VPC, Subnets, Security groups, Ec2, Load Balancers, Auto scaling group, Cloud watch Alarms, ECS clusters, S3 buckets for logs.
* Hands on expertise with configuration tools like Chef, Puppet and Ansible. Created several Cookbooks, Manifests and Playbooks to automate infrastructure maintenance & configuration.
* In-depth knowledge on creating Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS nodes and Tested Playbooks on AWS instances using Python. Run Ansible Scripts to Provide Dev Servers.
* Extensive experience using MAVEN and ANT as build management tools for building of deployable artifacts (jar, war and ear) from source code.
* Experienced in Branching, Tagging, and maintaining the versions across different SCM tools like GitHub, Subversion (SVN) on Linux and Windows platforms.
* Experience in setting up Baselines, Branching, Merging and Automation Processes using Shell, Perl, Ruby, Python and Bash Scripts.
* Hands on experience in packaging the files and place them in Artifactory such as Nexus, JFrog and SonarQube.
* Have experience with Atlassian JIRA for creating bug tickets, workflows, reports pulling and planning sprints. And also, on deep knowledge on Remedy and HP quality center.
* Worked on Docker components like Docker Engine, Docker-Hub, Docker-Compose, Docker Registry, Docker Swarm and Kubernetes.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) and CI/CD in Agile, SCRUM, Waterfall methodologies.
* Expertise in Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Orchestrated and migrated CI/CD processes using Cloud Formation and Terraform Templates and Containerized the infrastructure using Docker, which was setup in Vagrant, AWS and VPCs.
* Expertise in Designing and creating multiple deployment strategies for CI/CD Pipelines using Jenkins, TeamCity, and Bamboo, shortened deployment cycles by automating the deployments.
* Experience in load balancing and monitoring with Nagios and Splunk, ELK, Log stash, Kibana.
* Good knowledge on various of Oracle Weblogic Application server, JBoss, WebSphere Application server and maintenance, integration including Tomcat Apache Server.
* Closely worked with development, QA, and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building.
* Strong experience in Installation, Configuration and Maintenance of JBoss Application Servers 7.x/6.x/5.x on win2008, Linux, Solaris platforms.
* Expertise in Installation, Configuration and Management of RDBMS tools such as SQL Server 2008/2012/2014, MySQL, DB2, MongoDB.
* A Deep involvement in LINUX/Unix system Administration, System Builds, Server Builds, Installations, Upgrades, Patches, Migration, Trouble shooting on RHEL.
* Worked on various operating systems like UNIX/Ubuntu/RHEL/CentOS/Fedora and Windows of production, test and development servers.

Strong proficiency in supporting Production **Cloud Environments (AWS, Azure, and VMWare)** as well as traditional managed hosted environments.

• Created Python Scripts to Automate **AWS** **services** which include web servers, **ELB**, **Cloud front Distribution, database, EC2 and database security groups, S3 bucket** and application.

• Configured **AWS Identity and Access Management (IAM**) users and groups for improved login authentication.

• Experience in automated deployment (**terraform, AWS CloudFormation**), and serverless architecture **AWS lambda** and other **AWS services**.

• Responsible for configuring alerts in **Azure App insights** for monitoring and troubleshooting **Azure** resources.

• Expertise in **Azure** infrastructure management (**Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses**, Office365).

• Expertise in Architecting and Implementing **Azure Service** Offering, such as **Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Monitor, and Azure Service Bus**.

• Experience in Custom Process design of Transformation via **Azure Data Factory** & Automation Pipelines.

• Deployed and configured **Elastic search, Logstash and Kibana (ELK)**for log analytics, full text search, application monitoring in integration with **AWS Lambda** and **Cloud Watch**.

• Worked on automating **Nagios** alerts and email notifications using **Python scripts** and executed them through **Chef**.

• Implemented and configured **Nagios** for continuous monitoring of applications in the production environment and enabled notifications via emails and text messages.

• Ability to write Shell & Perl scripting and worked on **Splunk** for generating various metrics.

• **Jenkins** continuous integration server installation and configuration for all **GIT** Repositories.

• Experienced in branching, tagging and maintaining the version across the environments using **SCM** tools like **GIT**, Subversion (**SVN**) and TFS on Linux and windows platforms.

• Extensively worked with automation tools like **Jenkins** and **Build Forge** to implement the End-to-End Automation.

• Installed/Configured/Managed**Jenkins Continuous Integration and Continuous Deployment.**

• Assist in the UAT testing of **uDeploy** and **Jenkins tools** also worked on Jenkins to create builds, and pass new builds to **IBM Urban code**/**Udeploy** for deployment.

• Developed build and deployment scripts using**ANT** and **MAVEN** as build tools in**Jenkins** to move from one environment to other environments.

• Experience in building scripts using **Maven** builds tool in **Jenkins** to move from one environment to another environment.

• Implementing new projects builds framework using **Jenkins**, Cruise control & **Maven** as build framework tools.

• Experience in using **Jfrog** and **Nexus** Artifactory Repository Managers for builds.

• Deployment of Cloud service including Jenkins and **Nexus** using **Terraform**.

• Experienced working on several **Docker** components like **Docker Engine, Hub, Machine, Compose**and**Docker registry**.

• Experienced in deploying and maintaining multi-container applications through **Docker**.

• Experience writing **Ansible playbooks** and deploying applications using **Ansible**.

• Managing the configurations of multiple servers using **Ansible**. Implemented **Ansible** to manage all existing servers and automate the build/configuration of new servers.

• Well versed with many different concepts of **Chef** like Roles, Environments, Data Bags, Knife, and**Chef Server**Admin/Organizations.

• Deployed **puppet** for configuration management to existing infrastructure.

• Built **Puppet** **manifests** and bootstrap scripts to allow us to bootstrap instances to various roles without having to maintain AMIs.

• Installation of **Python** and setting up SSH connection on remote nodes for configuring, managing and deploying software application on the nodes, using **Ansible.**

• Experience in writing **Shell** scripts to automate the Administrative tasks and management using corn jobs.

• Expertise in scripting for automation, and monitoring using **Bash,Ruby, Python & Perl scripts**.

• Exposed to all aspects of **software development life cycle (SDLC)**such as Analysis, Planning, Developing, Testing, implementing and Post-production analysis of the projects.

• Worked on **Data-Center operation and migration across UNIX and LINUX platforms.**

• Implement an educational e-learning video platform with **Azure Media Services** and [Azure Cognitive Services APIs](https://docs.microsoft.com/azure/) for speech-to-text captioning, translating to multi-languages, etc.

• Use **Azure Media Services** together with [Azure Cognitive Services APIs](https://docs.microsoft.com/azure/) to add subtitles and captions to videos to cater to a broader audience.

• **Notifications** that monitor job progress or states, or Live Events start/stop and error events. Notifications are integrated with the Azure Event Grid notification system. You can easily subscribe to events on several resources in **Azure Media Services.**

• Experience in Installing, configuring and maintaining **Samba, WebSphere & WebLogic Application Servers, Nagios.**

• Created Projects, Workflows, Custom Fields, Notification Scheme, Permission Scheme, Screens schemes And Issue Type Schemes within **Jira**.

• Monitor **Jira** logs when performing migrations, troubleshooting user's/system issues.

• Experience in setting up network environment using **NFS, NIS and LDAP**.

• Experience in Install and configuration of Web hosting administration**HTTP, FTP, SSH.**

• Experience in Creating and maintaining user accounts, profiles, security, rights, disk space and process monitoring.

• Resolving system errors and crashes, huge file sizes, file system full errors.

• Implemented set of process and services in **active directory**.

**EDUCATION:**

* Master’s in computer science from New York Institute of Technology (NYIT)--- 2016
* Bachelor’s in computer science from Hasvita Engineering College (HIET)--- 2013

## CERTIFICATIONS:

* Certified Splunk User
* Certified Splunk Power User
* Certified Splunk Admin
* Certified Microsoft Azure Devops

**Professional Experience**

**Client Name: Sophos, Burlington, MA Dec 19 - present**

**Role: Sr. Splunk/Devops Engineer**

**Roles & Responsibilities:**

* Splunk enterprise version upgrades and splunk scripted installations for cluster master and different subnets also prepared technical documentation for installation deployment procedures and architecture diagrams.
* Streamlined Splunk to build, configure and maintain heterogeneous environments and in-depth knowledge of log analysis generated by various systems including security products (SIEM functionality).
* Setup Splunk Forwarders for new application levels brought into environment and setup log parsing. complex splunk searches and external table lookups.
* Managed splunk user and authentication management by creating new roles and assigning required capabilities to the users from various other applications.
* Implemented Azure webapps and migrated on-premises servers to Azure cloud using various Azure cloud services.
* Configuring Azure web apps, Azure App services, Azure Application insights, Azure Application gateway, Azure DNS, Azure Traffic manager, Azure Network Watcher, Azure storage, Azure Active Directory, and Azure Resource Manager (ARM).
* Implemented Azure Media and Content delivery, Azure Networking, Azure Hybrid integration, Azure Identity, and Access Management, Azure Data Factory and Storage, Azure compute services, and Azure Web apps.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Created Azure Site Recovery and Azure Backup- Deployed Instances on Azure environments and in Data centers and migrating to Azure using Azure Site Recovery and collecting data from all Azure Resources using Log Analytics and analyzed the data to resolve issues.
* Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets managed and optimize the CI (Continuous Integration) tools like Azure DevOps.
* Automated build and release process (CI/CD) using Azure DevOps services and to create test plans, to report bugs & to track defects.
* Creating, validating, and reviewing solutions for data center migration to Azure cloud environment.
* Migrated SQL workloads with SQL Server on Azure Virtual Machines and modernized the existing applications with Azure SQL Managed Instance.
* Extend the applications to IoT edge gateways and devices with Azure SQL Edge and supported modern cloud applications with Azure SQL Database.
* Involved in authoring Terraform scripts to automate and deploy Azure cloud services and developed Terraform templates that can spin up infrastructure for multi-tier application and provisioned boot strapped software on Cloud with terraform.
* In working with Ansible, created playbooks to manage web applications, Environment Configuration files, users, packages and manage and configuration of multiple servers using Ansible.
* Ansible to document all infrastructures and application dependencies into version control with GIT to store the code and integrate it to Ansible tower to deploy the playbook.
* Proficient in using Ansible Tower, which provides an easy-to-use dashboard and role-based access control, so that it is easier to allow individual teams access to use Ansible for their deployments.
* Integrated Jenkins CI/CD pipeline with various DevOps tools such as GIT, Nexus, SonarQube, Ansible.
* Worked on container-based deployments using Docker, working with Docker images, Docker Hub, Docker Compose, Docker-registries and Kubernetes.
* Worked closely with development team to create automated scripts to build MSI packages in .net core 3.1 & 2.2.
* Worked with the development team to deploy new libraries with Micro Services Architecture using REST APIs & Spring Boot.
* Contributed Full stack development in native Golang backend, native JavaScript, and Bootstrap Framework for web application between advisers and their clients.
* Devised solutions to expedite the procurement of required data for unique website architectures comprised of JavaScript.
* Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure. Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Customizing Kubernetes cluster with objects like Pods, Deployments, Services and ConfigMaps and created reproducible builds of the Kubernetes applications, enhanced Kubernetes manifest files and Helm packages and implemented Kubernetes to deploy scale, load balance and developed Docker containers.
* Extensively Working on Docker service for our Docker images and worked with Docker container networks communications using Docker Weave rolling updates to implement zero downtime PROD deployments and worked with Docker Trusted Registry as repository.
* Integrated additional Docker Slave Nodes for CI/CD (Jenkins) using custom Docker Images and Worked on all major components of Docker like Docker Daemon, Hub, Images, Registry, Swarm etc.
* Build Apache Kafka Multi node Cluster and used Kafka Manager to monitor multiple Clusters.
* Installed, Configured & Managed Monitoring Tools such as Splunk, Nagios for Resource Monitoring/Network Monitoring/Log Trace Monitoring and Cloud Watch and ELK to monitor OS metrics, server health checks, file system usage etc.
* Monitored servers, switches, and ports using Nagios Monitoring tool and assisted internal users of Splunk in designing and maintaining production quality dashboards.
* Migrate data to/from Microsoft Azure Cloud Platform, Azure SQL DB, Hadoop data on the Azure HDInsight Service using SSIS.
* Designed and Deployed custom JIRA Exporter for Prometheus to generate appropriate data points.
* Provided 24X7 support to production servers also to offshore team and systems and was involved in creating documentation.
* Evaluating performance of GCP instances, CPU, Memory Usage and setting up health checks, GCS and VPC Setup Alerting and monitoring using Stackdriver in GCP.
* Defined GCP Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching GCP instances and services.

**Client: OpenText, Austin, TX Oct 17 - Dec 19**

**Roles: SRE/Cloud Engineer**

 **Responsibilities:**

* Designed Splunk Enterprise 6.5 infrastructure and worked on setting it up to provide high availability by configuring clusters across two different data centers where splunk can capture and analyze data from various layers Load Balancers, Web servers and application servers.
* Designed the data models to use in AWS Lambda applications which are aimed to do complex analysis creating analytical reports for end-to-end traceability and definition of Key Business elements from Aurora.
* Wrote Lambda functions in python for AWS Lambda and invoked python scripts for data transformations and analytics on large data sets in EMR clusters and AWS Kinesis data streams.
* Worked on Amazon Kinesis for monitoring and get the logs of the servers and to check the applications data and metric using the dashboard.
* Integrated the Amazon Kinesis with S3 bucket to store the generated application data logs.
* Designed scalable and highly available Domain Name System (DNS) within AWS Cloud to route traffic to AWS Cloud from users connected using AWS Direct Connect for larger deployments.
* Utilized AWS Migration services to migrate on premise MySQL Databases to MySQL RDS. Used AWS Secrets Manager to safely store the Database Passwords. Created and configured an IPsec VPN tunnel between on premise and AWS using Open swan VPN.
* Analyzed the source system and involved in designing the ETL data load and used ETL to transfer and extract data from source files (Flat files and DB2) and load the data into the target database.
* Using Amazon API Gateway, created RESTful APIs and WebSocket APIs for enabling real-time two-way communication applications.
* Utilized Amazon Cognito for advanced security features to protect access to user accounts for applications for advancing security features to provide risk-based adaptive authentication and protection from the use of compromised credentials. So, with just a few clicks, they can enable these advanced security features for Amazon Cognito User Pools.
* Utilized AWS IoT Core to filter, transform, and to act upon device data on the fly, based on business rules define and updated the rules to implement new device and application features.
* Provisioning of EC2 instances, built via Ansible, and integrated into local area offices in 4 time zones. Amazon RDS, VPC construction, Security Group policies, IAM, Route 53, Cloud Formation, S3, Glacier and OpsWorks.
* Utilized Amazon Sage Maker for fully managed services for enabling data scientists and developers to build, train, and deploy machine learning models at any scale quickly and easily.
* Experience with Terraform key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation and extensively used Auto scaling for launching Cloud instances while deploying microservices and used Terraform to map more complex dependencies and identify network issue.
* Experience in Converting the existing AWS Infrastructure to serverless architecture with AWS Lambda and Kinesis deployed using Terraform templates.
* Installed Pivotal Cloud Foundry (PCF) on EC2 to manage the containers created by PCF. Used Docker to virtualize deployment containers and push the code to EC2 cloud using PCF.
* Used Docker for running different programs on single VM, Docker images includes setting the entry point and volumes, also ran Docker containers and worked on installing Docker and creation of Docker container images, tagging and pushing the images.
* Experience in writing Docker files and deploying applications on containers and deployed Docker containers by using images stored in repository using Kubernetes, both on premise and on AWS cloud.
* Deployed Kubernetes cluster on AWS using Kops with Multi-Master setup to increase the availability, deployed Consul clusters for service discovery, weaver to perform the subnetting between the PODS.
* Deployed Build artifacts using Ansible Playbooks into Apache instances which were integrated using Python and Shell scripts. Used Ansible-Vault to Encrypt and Decrypt the file and Deployed on Client servers.
* Worked with Ansible for Orchestration of Deployments for various servers and managed Ansible Playbooks with Ansible modules, implemented CD automation using Ansible, also involved in managing existing Tomcat Webservers and automated the configuration of new servers.
* Implemented Ansible Tower for scheduling playbooks and used GIT repository to store playbooks and updated multiple manifests and customized facts.
* Implemented Continuous Integration using Jenkins and wrote Jenkins installation script and Jenkins Pipeline for multiple projects.
* Documented process documents for Jenkins, Git, Bit Bucket, CD Pipeline and Code deployment guide for Developers, Testers and Production Management.
* Worked in migrating new projects to Jenkins and assist developers to refactoring Maven Pom.xml to use JFrog Artifactory.
* Integrated AWS Elastic Container Service (ECS) with load balancing and to distribute traffic across containers using application load balancers and network load balancers.
* Provided end-user training for all GitHub users to effectively use the tool and coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using GIT source control.
* Involved in writing Maven scripts for the configuration of the Java applications and executed the Maven builds locally to troubleshoot Java code issue and merging related issues.
* Created monitors, alarms, and notifications for EC2 hosts using Cloud Watch and used Nagios for monitoring the services and network. Configured Nagios for new services for onsite severs and AWS cloud infrastructure.
* Configured the SNS and SQS in higher environments to create the email notifications and message notification to notify if a server or an application goes down.
* Configured AWS Identity and Access Management (IAM) Groups and Users for improved login authentication. Created AWS RDS, Dynamo DB cluster and connected to the database through aDynamo DB instance using the Amazon RDS Console.
* Build and release of Cloud based products containing Linux and Windows environments, using Power Shell and Python Scripting.
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company. Maintained and deployed the artifacts, used UDeploy release build and produce products for testing and use in production.

**Client: Liberty Mutual, Portsmouth, NH June 16- oct 17**

**Role: Sr. Cloud/DevOps Engineer**

**Responsibilities**:

* Installed, Create Virtual machine (KVM, VMware) and configured Red hat Enterprise Linux (RHEL5/6/7), Centos 5/6/7.
* Server racking, cabling and server built (kickstart).
* Install and maintain security patches on the operational and development system, which includes but is not limited to, Centos, Red Hat Linux, and Solaris 10.
* Worked on installation, configuration, and maintenance Red hat, CentOS and Suse Servers at multiple Data Centers.
* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Ansible, Puppet, or custom-built designing cloud-hosted solutions, specific AWS product suite experience.
* Managed VMWARE vSphere HOSTS in a HA/DRS Environment with vMotion/ Site Recovery Manager, Replication Manager vRealize Automation Center and Fiber SAN. Experience working with production servers at multiple data centers.
* Implemented Migration from VMWARE to AWS using VMDK Import tools.
* Experience in migration of consumer data from one production server to another production server over the network with the help of Bash and Perl scripting.
* Installed/Configured/Managed Puppet Master/Agent. Wrote custom Modules and Manifests, downloaded pre-written modules from puppet-forge. Upgradation or Migration of Puppet Community and Enterprise.
* Wrote scripts by using modules from Puppet forge.
* Installed Fuse to mount the keys on every Debian Production Server for password-less authentication.
* Manage VM's using VMware virtual center, Creating/Deploy VMs using templates/cloning.
* Deployment, configuration, and administration of VMware VSphere 5.1 environments as well as Red Hat (5.x and 6.x) and Oracle Enterprise Linux (OEL) environment and installed required binaries and packages.
* Migrated Physical Servers to Virtual Serves using VMware Converters and migration of Virtual Machines using V-Motion.
* Installed & configured Guest operating system like Red hat on VMware ESX 6.x.
* Worked with Server Installation & Customization of Jenkins for to atomize the build/deployment process for respective application/project.
* Managed and optimized Continuous Delivery tools like Jenkins and Troubleshoot the build issue during the Jenkins build process.
* Created Jenkins jobs for continuously building the projects. Scheduled jobs to build upon every check in into subversion.
* Integrated Maven with Subversion to manage and deploy project related tags.
* Implemented a Continuous Delivery pipeline with puppet, Docker, Jenkins and Github and VMware.
* Implemented the new branching strategy to maintain the parallel development while testing phase is on Successfully implemented the release branching strategy in Github for parallel development.
* Build scripts using ANT and MAVEN build tools in Jenkins to move from one environment to other environments also used MAVEN as a dependency management tool to manage all the dependencies that are required.
* Used Maven (POM.xml) and Ant scripts (build.xml) as build frameworks/scripts.
* Implemented detailed systems and services monitoring using Nagios and Zabbix services
* Involved installing and managing different automation and monitoring tools on Red hat Linux Enterprise like Nagios and Puppet.
* Developed shell scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.

**Client: Spireon - Irvine, CA Feb 15 - June 16**

**Role: Java Developer**

**Responsibilities:**

* Involved in all phases of Software Development Lifecycle including Requirements, Collection, Analysis of the Customer Specifications, Development, Handling Change Request, Bug Fixing, Code Review and Customization of the Application.
* Developed the application using J2EE architecture specification and Design patterns.
* Responsible to enhance the UI using HTML, Java Script, XML, JSP, CSS, React.js as per the requirements and providing the client side using jQuery validations.
* Wrote Single Page Web Applications using RESTFUL web services, Ajax, Bootstrap, Angular Js.
* Experience in using jQuery and Bootstrap plugins for the WebPages.
* Worked on Proof of Concept for developing application using Node Js and Mongo DB.
* Used REST Client and POSTMAN to test the rest-based services and used Junit and Mockito to test the middleware services.
* Experience in CI and CD with Jenkins implemented automation of new projects build framework using Jenkins and Maven as build framework tools.
* Used GIT as version control system, to keep track of all the work & all changes, allowing several developers to collaborate and used Maven as build and configuration tool and Jenkins for continuous integration tool.
* Prepared Documentation for Unit Test Plan and Unit Test Results for the QA purpose. Participated in the release night shakeouts/overnight deliveries and QA Support.

Responsible for Continuous Integration (**CI**) and Continuous Delivery (**CD**) process implementation using **Jenkins** along with **Shell scripts** to automate routine jobs.

• Using **AWS**, Creating, Importing and launching **volumes, EC2, RDS, Lambda, security groups, auto-scaling, load balancers (ELBs), NACL** in the defined **VPC**.

• Handled migration of on premises applications to cloud and created resources in cloud to enable this. Used all critical AWS tools, used **ELBs** and **Auto-Scaling policies** for **scalability, elasticity**and**availability**.

• Utilized **AWS CLI** to automate backups of ephemeral data-stores to **S3**buckets, **EBS** and create **nightly AMIs** for mission critical production servers as backups.

• Worked on the configuration management tool **Chef** for deploying the codes between different environments.

• Managing AWS infrastructure and automation with **CLI**and**API**. Working on Inbound and Outbound services with automation **Chef**. Deployed multiple resources simultaneously, using **CloudFormation**templates in **AWS**.

• Worked with automation of OS builds and application installations through **Chef, Nagios** for application and Hardware resource monitoring, worked with plugins in **Nagios** for **monitoring resources.**

• Established **Chef** Best practices approaches to system deployment with tools with **vagrant** and managing **Chef** **Cookbook** as a unit of software deployment and independently version controlled.

• Written multiple **Cookbooks** in **Chef**, implemented environments, roles, data bags in chef for better environment management.

• Involved in replacing existing manual deployment and management processes with **AWS OpsWorks** which uses **Chef** to automate how servers are configured, deployed, and managed across **AWS EC2 instances**.

• Written **wrapper scripts** to automate deployment of **Chef Cookbooks**on nodes and running the **chef client** on them in a **Chef-Solo**environment

**Client: Centino System April 13 – Dec 14**

**Role: IT Engineer**

 **Responsibilities**:

* Involved in Planning, Defining and Designing data based on business requirements and provide Documentation.
* Gathered requirements from business analysts and operational analysts and identifying the data sources required for the requests.
* Reverse engineered the data models and identified the data elements in the source systems and adding new data elements to the existing data models.
* Evaluated potential suppliers based on quality, delivery and cost objectives using MS-Excel, pivot tables, V-lookup, and graphs.
* Involved with data sets, source data, source meta data, data definitions and data formats.
* Performance tuning of the databases which includes indexes and optimizing SQL statements, monitoring the server.
* Wrote SQL queries, dynamic queries, and complex joins for generating complex stored procedures, triggers, user-defined functions, views, and cursors.
* Data stage jobs were scheduled, monitored, performance of individual stages was analyzed, and multiple instances of a job were run using data stage director.
* Prepared high-level logical data models and BRDs (Business Requirement Documents), supporting documents containing the essential business elements, detailed definitions, and descriptions of the relationships between the actors to analyze and document business data requirements.
* Involved in migration of various objects like stored procedures, tables, and views from various data sources to SQL server.
* Part of team conducting logical data analysis and data modelling communicated data related standards, conducted design discussions to come out with the appropriate data mart.
* Designed different type of STAR schemas like detailed data marts and plan data marts, monthly summary data marts using Erwin with various dimensions like Time, Services, customers, and various FACT tables.
* Assisted in migration of data is performed from various OLTP servers and documented issues related to data cleansing.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Operating System | RHEL 5/6/7, Centos 5/6, Ubuntu/Debian, Windows Server 2003, 2008 and 2012, VMware. |
| Web/Application Servers | Apache, Tomcat, WebLogic, WebSphere, JBOSS |
| Build Tool | ANT, Maven and MS Build. |
| Version Control | Git, SVN and CVS. |
| Continuous Integration & Configuration Management | Jenkins, Chef, Puppet, Ansible. |
| Artifactory Repositories | Jfrog & Nexus. |
| Databases | Oracle, SQL Server, My SQL, and NoSQL (Cassandra, Mongo DB). |
| Virtualization Tools | Docker, Kubernetes, VM Virtual Box, VMware. |
| Cloud Platform | AWS, Azure and OpenStack. |
| Monitoring Tool | Nagios, Splunk and ELK |
| Networking/Protocol | TCP/IP, HTTP/HTTPS, NDS, DHCP, NFS, LAN. |
| Virtual Servers | VMware ESX Servers, vSphere 5.x, Solaris Zones. |
| Scripting | Shell, PowerShell, Ruby, Python and Perl. |
| Quality & Security | SonarQube, Find Bugs, Veracode |