

**Kumar. T**

**Sr. DevOps/Cloud Engineer**

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**Professional experience**

**Automating, Configuring, Integrating** and **Deploying** applications on cloud platforms like **AWS, Microsoft Azure, Google Cloud Platform** (**GCP**). As a DevOps engineer, worked closely with developers to pinpoint and provide early warnings of common build failures, enforced automation in build and deployment.

* Experience in architecting and Configuring public/private cloud infrastructures utilizing Amazon Web Services (AWS) including **EC2**, **Elastic Load-balancers**, **Elastic Container Service** (Docker Containers), **S3**, **CloudFront**, **RDS**, **DynamoDB**, **VPC**, Direct Connect, **Route53**, **CloudWatch, CloudFormation,** **IAM**.
* Experienced in designing infrastructure in AWS using **VPC**, Private Subnets, Public Subnets, Elastic Load Balancer (**ELB**), **Auto Scaling** groups with cooling down policies and **NAT** Gateway to provide uninterrupted services to the user.
* Highly proficient in creating a serverless architecture to create web pages and host them in **S3** buckets and communication between them is achieved through **API Gateway** and implemented migration process to server less architecture from traditional servers using triggers, API gateways, **Lambda** functions.
* Experience in **Terraform** for creating **stacks** of **VPCs, ELBs**, Security groups, **SQS queues, and S3 buckets** in **AWS** and updated the **Terraform Scripts** based on the requirement on regular basis.
* Experienced in **Azure IaaS**, Provisioning VM's, Virtual Hard disks, Virtual Networks, Deploying Web Apps and Creating Web-Jobs, Azure Windows server Microsoft SQL Server, Microsoft Visual Studio, **Windows PowerShell**.
* Hands on experience on Backup and restore **Azure** services. Designed and configured **Azure** Virtual Networks (VNets), subnets, **Azure** network settings, DHCP address blocks, **DNS** settings, and security policies and routing.
* Experience in **Azure** compute services, **Azure Web apps, Azure Data Factory, Azure Media** and **Azure Networking, Azure Hybrid Integration, and Azure Identity & Access Management.**
* Implemented Micro-services using **Pivotal Cloud foundry** (**PCF**) platform build upon Spring Boot Services and created workflows on TeamCity for setting up automated pipelines for **CI/CD** with **PCF**.
* Extreme Knowledge in designing **GCP** to create custom **VPC**, subnets, Firewall, ensure successful deployment of Web applications and database templates. Created **GCP**'s **VPC, network, Subnetworks, VPN** and **Cloud DNS.**
* Leveraged **GCP** cloud services such as Compute, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts configured **GCP** App Engine for deploying and scaling web applications and (Firewalls, IP Addressing, Ingress and Egress throughput caps) services developed with Java.
* Experience in **Blue/Green** deployment strategy by creating new applications which are identical to the existing production environment using frameworks such as OpenStack **CloudFormation and Terraform templates**.
* Experience in designing a **Terraform** and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, Compute Engines in public and private subnets along with Auto Scaler in (AWS).
* Experienced in building sophisticated and highly automated infrastructure using automation frameworks such as **Cloud Formation,** **terraform** Developed **terraform scripts** to spin up VPC and Subscribe VPC
* Experienced several pods and services using Master and Minion architecture of **Kubernetes** and developed microservice onboarding tools leveraging Python allowing for easy creation and maintenance of build jobs and **Kubernetes** deploy.
* Expertise in creating Pods using **Kubernetes** and worked with Jenkins pipelines to drive all micro services builds out to the **Docker** registry and then deployed to **Kubernetes.**
* Expertise in using **Docker** including **Docker Hub**, Docker Engine, **Docker images**, Docker compose, **Docker swarm,** and **Docker Registry** and used containerization to make our applications platform to be consistent flexible when they are moved into different environments.
* Experience in using **Docker** as a new level of simplicity to defining and creating applications by encapsulating them in Containers and created virtual images like production environment using **Docker** by writing **Docker** compose files.
* **E**xperiencein **GIT** as source code repository. Having knowledge on concepts like Branches, Merges and Tags. Deploy and configure **Git repositories** with branching, forks, tagging, and notifications.
* Configure **Jenkins** to build CI/CD pipeline which includes to trigger auto builds, auto promote builds from one environment to another, code analysis, auto version etc. for various projects.
* Best practice in the areas of **Jenkins** Plugin Management, Securing **Jenkins**, Performance issues, Analytics, Scaling **Jenkins**, integrating Code Analysis and Test Phases to complete the CD pipelines within Jenkins.
* Experience and configured HTTP Triggers in the Azure Functions with Application insights for monitoring and performing load testing on the applications using the **VSTS**. Experience in TFS, Gated Check-ins, and Release Management.
* Experience in using **Jenkins** CI/CD Pipelines, **Maven** and **ANT** as a Build Tool for the building of deployable artifacts (war & ear) from source code. Defined dependencies and plugins in **Maven** pom.xml for various activities and integrated **Maven** with **GIT** to manage and deploy project related tags.
* Extensively worked on **Jenkins** and **Bamboo** for continuous integration and for End to End automation for all build and deployments. Managing Atlassian products such as **Confluence**, **Bamboo**, **Fisheye**, **Jira** and **Stash**
* Using **Jenkins** AWS Code Deploy plugin to deploy to AWS Created **Ansible** **playbooks** to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
* Good hands-on experience on **Ansible** and **Ansible Tower** as configuration management tool and writing **playbooks** that automate **repetitive tasks,** managing changes for critical applications for continuous delivery
* Installed and configured build **open stack** using **puppet scripts**. Automated configuration management using **puppet** it includes setting up hosts for every **puppet** agent to **puppet** master.
* Experience with **Chef** Enterprise hosted as well as On-Premise, installed Workstation, Bootstrapped Nodes, wrote Recipes and **Cookbooks** and uploaded them to Chef-server, managed On-site applications/Services/Packages using **Chef** as well as AWS for EC2/S3/Route53 & ELB with **Chef Cookbooks**.
* Installed **Chef** Server Enterprise on workstation/bootstrapped the nodes using **knife and** automated by testing **Chef recipes**/**cookbooks** with **test-kitchen**.
* Experience in using various scripting languages like **Bash**, **Perl**, **Shell**, **Ruby** & **Python** and utilizing **Python** scripts for pushing data from **Mongo** **DB** to **MySQL** Database.
* Installed and used monitoring tools like **Nagios**, **Splunk**and**ELK** and Managed these tool for Resource Monitoring/Network Monitoring and Log Trace Monitoring.
* Expertise in Setting up **Splunk, Sumo Logic** and **New Relic** monitoring.
* Installing **Red Hat, Centos, Ubuntu, Sun Solaris 9/10/11, Linux 5/6/7** using **kickstart** servers and interactive installation. Supporting infrastructure environment comprising of **RHEL** and **Solaris**.
* Experience working with **LDAP** Services and using various network protocols like **HTTP, TCP/IP, FTP, SSH**.

**TECHNICAL SKILLS**

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| --- | --- |
| **Cloud Environment** | **Amazon Web Services (AWS), Microsoft Azure, GCP.** |
| **Infrastructure as code** | **Terraform and Cloud Formation, Packer.** |
| **Operating Systems** | **Linux (Red Hat, CENTOS & SUSE), Ubuntu, Solaris, DEBAIN, HP-UX, Windows.** |
| **Scripting** | **Shell Scripting, Groovy, Python, Ruby, Perl and Power Shell.** |
| **Version Control Tools** | **GIT, GITHUB, TFS, Subversion (SVN), CVS and Bitbucket.** |
| **Build Tools** | **Maven, Gradle Sonar, Nexus, and Ant.** |
| **Containerization Tools** | **Docker, Mesos.** |
| **Application Servers** | **WebSphere, Apache Tomcat, Jboss, WebLogic.** |
| **Continuous Integration** | **Jenkins, Bamboo, Hudson.** |
| **Automation & Configuration Tools** | **Chef, Puppet, Ansible, Salt Stack.** |
| **Orchestration Tools** | **Kubernetes, Docker swarm, and Apache Mesos.** |
| **Networking Protocols** | **TCP/IP, DNS, DHCP, WAN, LAN, FTP/TFTP, SMTP.** |
| **Monitoring Tools** | **Nagios, Splunk, and ELK.** |
| **Bug Tracking Tools** | **JIRA, Bugzilla, and Red Mine.** |

**DevOps/Cloud Engineer, RTI International.** **DEC 2017 – till date**

**Durham, NC**

**Responsibilities**

* Configured **Azure** Virtual Networks, subnets, **DHCP** address blocks, **Azure** network settings, DNS settings, security policies and routing. Also, deployed **Azure** IaaS virtual machines and services into secure Virtual Networks and subnets.
* Used **Azure Terraform** to deploy the**Azure**infrastructure necessary to create development, test, and production environments for a software development project.
* Worked closely with the application and architecture teams to conduct and implement the design in **AWS** for production and test environment.
* Involved in designing and deploying a multitude of applications by utilizing almost all the **AWS** stacks including **EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM** focusing on high-availability, Fault tolerance, and Auto-Scaling in AWS Cloud formation.
* Created **Aws** Cloud Formation templates to create custom sized VPC, subnets, NAT instances to ensure successful deployment of web applications and data base templates
* Worked with **AWS** **S3** services like creating buckets, configuring buckets with permissions, logging, versioning, and tagging & lifecycle policies to back the data from **AWS S3** to **AWS Glacier**. Worked on **Kinesis** for gathering the user input data and log files for security purposes and export them to **S3** if needed.
* Used **Amazon ECR** for hosting images in a highly available and scalable architecture and allowing to deploy containers for applications **Integration** with **AWS Identity** and **Access**
* Work with **Terraform** key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation. Collaborate in the automation of **AWS** infrastructure via **Terraform** and **Jenkins -services** configuration via **Chef Cookbooks**.
* Worked on **Terraform** for automating VPCs, **ELBs**, security groups, SQS queues, S3 buckets, and continuing to replace the rest of our infrastructure. Using **Terraform** as a tool, Managed different infrastructure resources Cloud, VMware, Bare Metal Servers and **Docker** containers.
* Implemented **Chef Cookbooks** for OS component configuration to keep **AWS** server's template minimal and written recipes and **cookbooks** for configuring server side through **Chef.**
* Experience in Setting up **Chef**Workstation, boot strapping various enterprise nodes, setting up keys. Experience in Working with **Chef Cookbooks, Chef Recipes, Chef attributes, Chef Templates.**
* Deploying multi-stack software builds to various environments (VMs, Cloud instances, etc.) using automation tools like **Ansible**and Chef, minimizing downtime.
* Wrote **Ansible playbooks** and securing a server with **Ansible** and Provisioning, deployment with **Ansible** and Worked on developing **Ansible** Go Scripts for automating regular task.
* Experience in creating **Docker** Containers leveraging existing Linux Containers and AMI's in addition to creating **Docker** Containers from scratch.
* Worked to setup **Jenkins** as a service inside the **Docker swarm** cluster to reduce the failover downtime to minutes and to automate the **Docker** **containers** deployment without using configuration management tool.
* Focused on containerization and immutable infrastructure. **Docker** has been core to this experience, along with **Mesos**, **ISTIO** and **Kubernetes**. Created clusters using **Kubernetes** and worked on creating many pods, replication controllers, deployments, labels, health checks and ingress by writing **YAML** files as well as managed **Kubernetes**charts using Helm.
* Created reproducible builds of the **Kubernetes** applications, managed **Kubernetes** manifest files and Managed Release of Helm packages and Scheduled, deployed and managed Container replicas onto a node cluster using **Kubernetes**.
* Responsible for administrating **Jenkins** as continues integration and **Jenkins** Master Slave Architecture to run **Jenkins** build in remote **RHEL** Servers. Integrated **Apache Kafka** for data ingestion.
* Responsible for installation & configuration of **Jenkins**to support various Java builds and **Jenkins plugins** to automate continuous builds and publishing **Docker** Images to the **Nexus** Repository.
* Implemented a **GIT** mirror for **SVN** repository, which enables clients to utilize both **GIT**and **SVN**. Implemented Continuous Integration using **Jenkins** and **GIT**.
* Compile and build the code using **Maven** build tool. Automated weekly releases with **Maven** scripting and Compiling Java code, Debugging and Placing Builds into **Maven** repository.
* Install, configure, and troubleshoot **Splunk**. Use **Splunk** to collect and index log data Hands on experience in customizing **Splunk dashboards,** visualizations, configurations, reports, Indexers and search capabilities using customized **Splunk**queries.
* Expertise in customizing **Splunk** for Monitoring, Application Management, and Security as per customer requirements and industry best practice.
* Strong use of **Shell scripting** languages including BASH for Linux and Mac Platforms and **PowerShell** for Windows systems.
* Worked on **PowerShell** Framework & capable of performing SSH based tasks such as disabling servers in load Balancers with open source DLL and custom **DOT NET** functions.
* Utilized Apache Cassandra, NoSQL, Oracle, **MySQL database** systems and managed Ubuntu Linux and Windows virtual servers on AWS EC2 using **Open-Source Ansible Server**.
* Worked on **Linux shell** and **Perl scripting,** UNIX, Windows, build and release engineering principles.

**Environment**: RedHat Linux 7.x, CentOS 5.x, 6.x, 7, AWS, Azure, Pivotal Cloud Foundry (PCF), Elasticsearch, Logstash & Kibana (ELK), Chef, Maven, Jenkins, Ruby, Shell, TFS, JIRA, Python, Oracle, WebLogic Server 11g, Apache Tomcat, Apache Mesos, Docker, Kubernetes, Virtualization, Apache HTTP server, Nginx, Nexus, Java, .Net, LDAP, Splunk, GitHub.

**DevOps Cloud Engineer | Trowe Price, Jan2016 – NOV2017**

**Maryland Owings Mills, MD**

**Responsibilities**

Migration of on premise existing applications to **AWS**cloud. Worked with Amazon Web Services (**AWS**) like **EC2**, **Elastic Load-balancers**, **Elastic Container Service** (Docker Containers), **S3**, **Elastic Beanstalk,** Cloud Front, Elastic File system, VPC, **Route53**, **Cloud Watch, Cloud Trail**, **Cloud Formation,** **and IAM**.

* Launching Amazon **EC2** Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications. Creating **S3** buckets and managing policies for **S3** buckets and Utilized **S3** bucket and Glacier for storage and backup on **AWS.**
* Creating **Cloud Formation templates** and deployed **AWS**resources using it. Defined **AWS** Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more**AWS EC2** instances.
* Working on Multiple**AWS** instances, set the security groups, **Elastic Load Balancer** and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems
* Configured **GCP** using Load Balancers, Cloud DNS, and CDN. Set up a**GCP** Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used **GCP** cloud CDN to deliver content from **GCP** cache locations drastically improving user experience and latency.
* Secured the **GCP** infrastructure with private, public subnets as well as security groups etc., and leveraged the **GCP** cloud services such as compute, auto-scaling and VPC to build secure, scalable systems to handle the unexpected loads.
* Written Templates for **AWS** infrastructure as a code using **Terraform**to build staging and production environments. Defined **Terraform** modules such as Compute, Network, Operations, and Users to reuse in different environments. Experience with **Terraform** to build infrastructure as a code.
* Implemented **Terraform** modules for deployment of various applications across multiple Cloud providers and managing infrastructure. Built **Jenkins** jobs to create **AWS** infrastructure from **GitHub** repos containing **Terraform** code.
* Wrote **Chef Cookbooks** for various DB configurations to modularize and optimize product configuration, converting production support scripts to **Chef**Recipes and **AWS** server provisioning using **Chef** Recipes.
* Configured **Chef** Server Enterprise on premise /workstation, bootstrapped the nodes using knife and automated by testing **Chef** Recipes/**Cookbooks** Managed on-site OS/Applications/Services/Packages using Chef.
* Used **Ansible** to automate Configuration management and to manage Web Applications, Config Files, Data Base, Users Mount Points and Packages. Defined all servers in**Ansible**, so that a newly built server could be up and ready for production.
* Used **Ansible** to automate Configuration management and written **playbooks** to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points and Packages.
* Worked on various **Docker** components like **Docker**Engine, Hub, Machine, Compose and **Docker** Registry. Experience with container-based deployments using**Docker**, working with **Docker** images,**Docker** hub and **Docker** registries.
* Working on **Docker** Hub, **Docker** **Swarm**, **Docker** Container network, creating Image files primarily for middleware installations & domain configurations.
* Building/Maintaining **Docker** container clusters managed by **Kubernetes** **Linux, Bash, GIT, Docker**, on **GCP**. Worked with Open Shift platform in managing **Docker containers** and **Kubernetes Clusters**.
* Implemented **CI/CD** pipeline as code using **Jenkins** & **Kubernetes** Developed build and deployment scripts using **MAVEN** as build tool, and integrated selenium in **Jenkins**, to perform the automated integration test.
* Providing configuration services on multiple platforms in the test environment running on one or more IT Platforms: Client/server, **Jenkins**, MS Build, Microsoft Windows NT, OS/390, and UNIX.
* Proposed branching strategies for using Version Control Systems like **GIT**, Clear Case, Stash, **GitHub** & **Subversion.** Created branches, performed merges in version control systems **GIT**, **GitHub**, **SVN**, Stash.
* Worked with development team to migrate **ANT** scripts to **Maven.** Implemented **Maven** builds to automate **JAR** and **WAR**. Build and deployed scripts using **ANT** and **Maven** as build tools in Jenkins to move from one to another environment.
* Build release of Cloud based products containing Linux and Windows environments, using **Python Scripting**
* Monitored application performance (resources consumed, errors, user experience), using **New Relic**. Worked with **New Relic** for monitoring performance like browser and for tracking issues in **SQL** statements.
* Working on creating and implementing application monitoring, and logging strategies using **New Relic**, Logstash, Elastic Search and **Kibana**.
* Experienced in Analysis, Design, Development, Integration, Deployment and Maintenance of Web services, Client Server and Web based applications using **J2EE/JAVA**, Couchbase server, JSP, JavaScript, Servlets, JMS, XML, XSL and XSLT.
* Database administration of MySQL, Oracle or equivalent **Data Base** programs
* Installing and configuring Red Hat Enterprise **Linux** 5, 6.1 using **kick start** servers and virtual Expertise in security hardening (iptables/selinux) major Production Servers, and compiling, building and installing web server-based Linux tools.
* Install and configure DHCP, DNS (BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, POP3), and file servers on SUSE and Linux servers. Installation, Configuration, and OS upgrades, **Kickstart** on RHEL 5.x, 6.x, 7.x

**Environment**: EC2,RDS,S3, IAM, VPC, Cloud Watch, Cloud Trail, GCP, Cloud formation, Docker,Kubernetes**,** Terraform ,SNS, EBS, Route 53, ELB, Amazon Machine image, Elastic Bean Stack, Python(boto), AMQ6/AMQ7, Jboss AS 7.0/6.0/5, serena, WebLogic Portal 10.3.5, Shell scripting, Linux, kickstart, MySQL, Jira, Jenkins, Ant, Maven, Ansible, GIT, App Dynamics, Rundeck, Splunk, New Relic, JBOSS EAP.

**Cloud Engineer, Apptus, Nov2014 – Dec2015**

**San Mateo, CA**

**Responsibilities**

* Assisted in migrating of physical Linux servers to cloud **(AWS)**. Involved in building server deployment on Cloud **(EC2)** servers with help of DevOps tools like chef. Used Chef for configuration management of hosted Instances within **AWS**. Configuring and Networking of Virtual Private Cloud (VPC).
* Implemented Jenkins Code Deploy plug-in to deploy to **AWS** and used to automate the build process and deploy the application to Tomcat server. Written various**AWS** Lambda services for automating the process of taking **EBS** Snapshots every day in production environment on the cloud
* All the applications are built using the latest **AMI** in **AWS.** Every, it’s ensured that the **AMI** is updated to the latest version to comply with the security policies and this process is called rehydration of **AWS** instances without any impact to the application.
* Installed Workstation, Bootstrapped Nodes, Wrote Recipes and **Cookbooks** and uploaded them to, Managed On-site OS/Applications/Services/ Packages using **Chef** as well as **AWS** for **EC2/S3&ELB** with **Chef Cookbooks**.
* Developed **Chef Cookbooks** to manage system configuration and for Tomcat, My SQL, Windows applications and versioned them on **GIT** repositories and **Chef** Server.
* Deployed **Puppet,** **Puppet** Dashboard, and **Puppet DB** for configuration management for existing infrastructure.
* Installed **Puppet** Master (Enterprise), **Puppet agents**, written **puppet** modules for apache, database setup, create a user, group accounts.
* Administered **Bamboo** for Continuous Integration and deployment into Tomcat/WebLogic Application Servers, testing in build environment and release to test team on scheduled time
* Experience in using **TeamCity, Jenkins,** Code Deploy for CI/CD pipelines, Experience in **Jenkins** and **TeamCity** to automate most of the build related tasks
* Skilled in various Atlassian Bug tracking tools like **JIRA**, **Bit bucket, Bamboo,** Confluence and IBM clear quest.
* Authored **pom.xml** files, performing releases with the **Maven**release plugin, Maven initialization of Java projects and managing **Maven** repositories.
* Build Automation and Build Pipe Development using **Jenkins** and **Maven**. Developed build and deployment scripts using **ANT** and **MAVEN** as build tools in **JENKINS** to move from one environment to other environments
* Work on **Nagios** and **ELK** for server monitoring, also used Net Scalar and monitoring tools like **Nagios** for Load Balancing and Controlling Flow of Traffic.
* Responsible for creating User, Group creation, monitoring and maintaining log for system status/health using **Linux** commands and **Nagios** system monitor.
* Involved in delivery pipeline orchestration (provisioning, configuration, monitoring and deployment) using **Python scripting**, **Jenkins, Chef** and in a hybrid cloud environment.
* Created and wrote **shell scripts** **(Bash), Ruby, Python** and **Power Shell** for automating tasks and used **Python** and **PowerShell** for all business applications to proactively monitor and trace errors with automated email alerts to various teams internally.
* Building servers with jumpstart using **Kickstart**, CD on timely basis, along with corporate wide requirements.

**Environment**: AWS, SVN, GIT, ANT, Maven, Jenkins, Agile, Jira, Nexus, Bamboo, TeamCity, Python scripting, Linux, Kickstart, Apache Tomcat, Mondo DB, MYSQL, NO SQL, Ansible, Chef.

**Build and Release Engineer, Epicor. Jan2013 – Oct2014**

**Irvine, CA**

**Responsibilities**

* Installation, Maintenance, Administration and troubleshooting of Linux and Windows Operating Systems and scheduling **Cron jobs**.
* Performed Linux OS management tasks which include installing packages using **RPM** and **zypper**, creating soft and hard links, **YaST** for installing and configuration on **SuSE** operating systems.
* Installed the Operating System on **Solaris** and **Linux** servers and blades over the network.
* Built virtualized Linux servers on **ESX** and blade servers to host multiple applications on same chassis across different server hosts.
* Developed and implemented Software Configuration Management strategies for various applications according to the agile process using **Git/GitHub**.
* Develop and maintain an expert level understanding of the **OpenStack project ecosystem**.
* Extensively worked on Configuration management tool **Chef**, for automation.
* Responsible for Deployment Automation using multiple tools **Chef**, **Jenkins**, **GIT**, **ANT** Scripts.
* Creating a fully Automated Build and Deployment Platform and coordinating code builds promotions and orchestrated deployments using **Jenkins**/**Hudson**, and **GitHub**.
* 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.
* Developed the Environment Provisioning Requirements documentation including: Physical/virtual architecture documentation; API documentation for each data source and backend service, identified metrics for monitoring availability and performance; using **Kibana** for data visualization
* Worked with Engineers on providing the configuration details of the **DEV** environments and assisting in Creating **CHEF** recipes for a Proof of Concept.
* Written **Chef Cookbook**, recipes to automate installation of **Middleware** Infrastructure like **Apache tomcat**, **jdk**, and configuration tasks for new environments etc.
* Managed **Sonar type Nexus Repositories** to upload and download the artifacts (**jar**, **war**& **ear**)
* Performed troubleshooting on filesystem failure, network failure and disk failures etc. Used **marathon** and **mesos** to check the application status and its log.
* Installed and administrate **JIRA** and **Confluence** in Integration environment and QA environment.
* High exposure to **REMEDY**, **BUGZILLA** and JIRA defect tracking tools for tracking defects and changes for Change management.
* Developed **Cronjobs** and **Shell Scripts** (Perl, Python) for automating administration tasks like file system management, process management, Server reboots etc.
* Develop, Maintain, update various script for services (start, stop, restart, recycle, and Cron jobs) **UNIX based Korn shell**, **Bash**. Provided **24 X 7 on-call UNIX and Linux Support** on a rotating schedule basis.

**Environment**: SVN, GIT, ANT, Maven, Jenkins, Agile, Jira, Nexus, Bamboo, TeamCity, Python scripting, Linux, Kickstart, Apache Tomcat, Mondo DB, MYSQL, NO SQL, Ansible, Chef, Middlewear, Remedy, Bugzilla, Unix Korn Shell, Sonar Qube, Confluence, Web logic, Kibana, Shell Scripts.

**Linux/Unix Admin, CoStrategix, Aug2009 – Dec2012**

**Bengaluru, India**

**Responsibilities**

* Managed and administrated of all UNIX servers, includes **Linux** operating systems by applying relative patches and packages at regular maintenance periods using **Red Hat** Satellite server, YUM, RPM tools.
* Installation, maintenance, managing and regular upgrading of **Red Hat Linux Servers Ubuntu Trust, CentOS, Fedora, Linux** on both standalone and virtual environments.
* Deployed **Red Hat** Satellite server with custom repositories to provide a stable management solution for the **Linux** environment.
* Establishing operations policies and procedures for production Installing, configuring, and maintaining production systems and applications.
* Analyzed Application/Server performance issues, finding the root cause of the issue and correlating them with the system capacity/resource issues.
* Installation and Configuration of Logical Volume Manager - **LVM** and **Veritas Volume Manager** on and **Red-Hat Linux** Hardware.
* Created **Virtual servers,** Service Groups, Responder Policies, Application Firewall Rules, Content Switching based Virtual Servers, Certificate Management on **Citrix NetScaler** Load Balancer.
* Setting up network environments using **TCP/IP, NIS, NFS, DNS, SNMP, DHCP,** and Proxy.
* Creating and managing virtual memory (swap spaces) and filesystems, while also supporting data management through on-site and off-site storage and retrieval services.
* Configured and worked on scripts for DNS lookup tests on the net group, automounting and unmounting the shares at **Linux** end.
* Setup Jumpstart servers for automated installation of **Solaris** and **Kickstart** for **Linux** servers and workstations and set up **NIS**, **NFS** for centralized administration of user account configurations.
* Production support of **Apache, Apache HTTPD, Jboss, Tomcat** and Oracle Web logic 10.3 application servers including installation, configuration, management, and troubleshooting.
* User/group maintenance in both production/development environments. In-house process control initiatives including IT Services Management worked with **LDAP** integration for a single log on.
* Deployed and installed new servers and their appropriate services for various applications in **Linux**.
* Extensive knowledge of Server administration, Kernel upgrade and deployment of patches and applying all firewall and security policies with emphasis on maintaining best practices.
* Strong understanding in writing the automation of processes using the **Shell script** with **Bash** and **Python**.
* Maintain all computer, server, network and wireless hardware.

**Environment:** UNIX, Red Hat, DNS, Yum, Rpm, Ubuntu, Centos, Fedora, Apache, Jboss, Tomcat, Oracle, WebLogic, kernel, Shell, Bash, Python.

Educational Details:

Degree: Bachelor’s In ECE (2009)

School: SRM university, Chennai. India