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| **Sr. Cloud DevOps Engineer** | **Subhakar M** | **(409) 757-0750**  **mr.subhakar@gmail.com** |
| **Professional Summary** | | |
| * **Sr. Cloud DevOps engineer** having around **7 years** of experience in Cloud (**Azure, AWS, GCP**), **DevOps, Configuration Management, Infrastructure Automation, Continuous Integration and Delivery (CI/CD).** I can implement effective strategies for N - Tier application development in both Cloud and On-premises environments. Experience in dealing with **Unix/Linux and Windows** **server administration**. * 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 Service Fabric, Azure Monitor,** and **Azure Service Bus.** * Hands on experience on Backup and restore Azure services and in Design and configure **Azure Virtual Networks (V Nets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing**. **Azure cloud services, Blob storage, Active directory, Azure Service Bus, Cosmos DB.** * Expertise in **Azure Scalability**and **Azure Availability** - Build VMs availability sets using the Azure portal to provide resiliency for **IaaS** based solution and Virtual Machine Scale Sets (VMSS) using **Azure Resource Manager (ARM)** to manage network traffic. * Hands on experience in **GCP** services like **Compute, Networking, Storage and Databases, Identity and Security.** * Primary duties include coming up with a combination of Automation/Tools and Processes to achieve Continuous Delivery/ Continuous Integration for various applications by integrating various tools like **Jenkins, Git, Jira, Nexus/Artifactory, Puppet/Chef, Maven/Gradle**, various testing frameworks like **Junit**, **Selenium**, Cucumber, SoapUI, JMeter, various App servers like **WebLogic, WebSphere, JBoss** along with establishing process for Code Promotion within the Enterprise to move code from Dev, QA, SIT, Stage and Prod Environments. * DevOps Administrator with work experience in DevOps, Amazon Web Service (AWS), Cloud Computing and Administration, Virtualization, Continuous Integration **(Chef, Puppet, Jenkins, Ansible, SVN, Maven),** Oracle Solaris, **Red Hat Enterprise Linux,** LDAP User and systems Security management, Storage Management, Security, Virtualization and Performance Management and Networking * Extensive experience in **Linux/Unix system Administration**, **System Builds, Server Builds, Installations, Upgrades, Patches, Migration, Trouble shooting on RHEL.** * Experience in Server infrastructure development on **AWS Cloud**, extensive usage of **Virtual Private Cloud (VPC), Cloud Formation, Cloud Front, EC2, RDS, S3, Microsoft Azure, Route53, SNS, SQS, and Cloud Trail.** * Created and maintained Highly Available Fault Tolerant Infrastructure Security services as virtual firewalls to control the traffic on **EC2 instances** for multitude of applications utilizing the Amazon Web Services focusing on auto-scaling. Migrating on premise Database Servers to AWS Cloud using AWS DMS. Developed **Python** modules to automate processes in **AWS** **(AWS Cloud Formation).** * Proficient in **Linux** **Utilities**: **KICKSTART, SSH, FTP, AUTOFS, Quota Management, wrappers, User Management, Process Management, Memory Management, and Text processing tools, Log Management, Package Management, Disk Management and Swap Partition/Files Management.** * Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining, and troubleshooting **EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services (RDS).** * Perform real-time system monitoring, traffic tracking and trend analysis using Network Management Tools. (e.g., Splunk, SiteScope, Insight Manager, Open View, SolarWinds), analysis systems, and Cisco IOS commands. * Used **GIT** as source code management tool: creating local repo, cloning the repo, adding, committing, pushing the changes in the local repositories, saving changes for later (Stash), recovering files, branching, creating tags, viewing logs, pulling latest commits, etc. * Server provisioning, automation (**Puppet/Chef/Ruby),** maintenance and performance tuning Hands on experience in installing and administrating CI tools like **Hudson/Jenkins, Team city,** **Bamboo**and ALM tools like Anthill Pro and TFS. * **Worked on Ansible to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages.** * Experience in different migration services like **AWS Server Migration Service (SMS)** to migrate on-premises workloads to **AWS**in easier and faster way using **Rehost “lift and shift”**methodology and **AWS Database Migration Service (DMS)**, **AWS Snowball**to transfer large amounts of data and Amazon **S3 Transfer Acceleration.** * Experience in using **Docker** and setting up **ELK** with Docker and **Docker-Compose**. Actively involved in deployments on **Docker** using **Kubernetes**. Familiarity with **Docker Swarm.** Used **Docker Mesos** to abstract data center resources and to elastically scale the applications and underlying infrastructure. * Proficient in deploying and configuring E**lastic search, Log Stash, Kibana (ELK)** and AWS Kinesis for log analytics and also experienced in monitoring servers using **Nagios, Splunk, Cloud watch.** | | |
| **Technical Skills** | | |
| * **Cloud Environments:** Azure, Google Cloud Platform (GCP), AWS, OpenStack * **Operating Systems:**Red Hat Linux, CentOS 6 & 7, Solaris, Ubuntu12.x, 13.x, 14.x, SUSE, Windows 98, XP, Vista, Windows Server 2003, 2008, 2012, VMware ESX and Mac OS * **Web Servers:** Tomcat, WebLogic9.x/10.x/11g/12c, JBoss 5.x/6.x/7.x, Web Sphere Administration and Nginix * **Application Servers:** Apache Tomcat 5.x/7.x, WebLogic Application Server 9.x,10.x, JBoss * **Databases:** NoSQL, Oracle, MySQL, Maria DB, Mongo DB, PostgreSQL, RDBS. * **Version Control Tools:** Subversion, ClearCase, TFS, GIT, GIT HUB, SVN, Bitbucket. * **Configuration Management:** Ansible, Chef, Puppet * **CI/CD Tools:** Jenkins/Hudson, Bamboo, Maven, SonarQube, Nexus Artifactory. * **Container Tools:** Kubernetes, Docker, OpenShift * **Monitoring Tools:** Dynatrace, Grafana, Nagios, Splunk, AWS cloud watch, ELK. * **Scripting Languages:** Ruby, Python, groovy, Unix Shell scripting, Node JS, XML, HTML, JEE, PHP, Power Shell, JSON, YAML, AWS Lambda. * **Bug Tracking & Testing tools:** JIRA, J Unit, J Meter Test Flight, Test Rail, Selenium. * **Virtualization Tools:** VMware, vSphere, Oracle Virtual Box, Workstation. * **Networking:** TCP/IP, NIS, NFS, DNS, VPN, DHCP, WAN, HTTP, LAN, FTP/TFTP, VMware nexus switch, IP Networking, F5 load balancer. | | |
| **Professional Experience** | | |
| **Sr. GCP DevOps Engineer** | **Delta Airlines** | Feb 2020- Present |
| * Set up a **GCP** Firewall rules in-order to allow or deny traffic to and from the **VM's** instances based on specified configuration and used **GCP** cloud **CDN** (content delivery network) to deliver content from **GCP** cache locations drastically improving user experience and latency. * Working on google cloud platform (GCP) services like **compute engine, cloud load balancing, cloud storage, cloud** **SQL, stack driver** **monitoring** and cloud deployment manager. * Event driven architecture to consume data via **Cloud Pub-Sub, Cloud Storage** and process Stream via **Cloud DataFlow** (Apache Beam), **Cloud DataProc** ( Hadoop, SparkSQL ) to analyze in **BigQuery** and further visualize data via **Cloud Datalab, DataStudio .** * EDA Architecture to consume data via **Cloud Pub-Sub**, **Cloud Storage Trigger** and process Stream via **Cloud Functions** (Serverless) to analyze in **BigQuery, Cloud DataFlow** (Apache Beam - Java). Extract GBs of Contacts, Products, Orders data from **BigQuery** into Confidential Storage format. * Setup GCP Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud **CDN (content delivery network)** to deliver content from GCP cache locations drastically improving user experience and latency. * Working on **Google Cloud**components, Google container builders and GCP client libraries and cloud SDK’s * Worked Extensively on building and maintaining clusters managed by **Kubernetes,** Linux, Bash, **GIT**, Docker, on **GCP**(Google Cloud Platform). * Building/Maintaining Docker container clusters managed by **Kubernetes**, Linux, Bash, GIT, Docker on **GCP**. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy. * **Configuring**and **deploying**instances on **GCP environments**and **Data centers,** also familiar with **Compute,** **Kubernetes Engine**, Stack driver Monitoring, Elastic Search and managing security groups on both. * Implementing a **Continuous Delivery**pipeline with **Docker, Jenkins,** **GitHub**and **GCP**whenever a new GitHub branch gets started, **Jenkins,** our **Continuous Integration**server, automatically attempts to build a new **Docker container**. * Used Kubernetes Service to deploy a managed **Kubernetes** cluster in and created an **AKS cluster** in GCP portal, with the **CLI**, also used template driven deployment options such as Resource Manager templates and **Terraform**. * Experience with **Open Shift, Kubernetes architecture** and design, troubleshooting issues with platform components, and developing global or multi-regional deployment models and patterns for large-scale developments and deployments on Cloud Foundry, OpenShift and Kubernetes. * Designed strategies for optimizing all aspect of the continuous integration, release and deployment processes using container and virtualization techniques like **Docker** and **Kubernetes**. Built Docker containers using microservices project and deploy to Dev. * Using Kubernetes, I have controlled and automated application deployments and updates and orchestrated deployment. Managed Docker containers with multiple name-spaced versions. * Experience in Installing, configuring & administering Jenkins on Linux machines along with adding/updating plugins like **GIT, ANT, Ansible, Sonar, Deploy to Container, Build Pipeline etc.** * Managed **Ansible Playbooks with Ansible modules,** implemented CD automation using Ansible, managing existing servers and automation of build/configuration of new servers. * Management of build farm environment and workflow management and administration using Jenkins, GIT, Bamboo, Artifactory. Stash, Jira, and various target build environments Android, iOS, Windows, Linux * Using **Jenkins**as continuous integration tool creating new jobs, managing required plug-ins, configuring the jobs selecting required source code management tool, **build trigger, build system,**and **post build**actions, **scheduled automatic builds,** notifying the build reports etc. * Automated Nagios services for database server, webserver, application-server, networks, file sizes, RAM utilization, Disk performances using Ansible. * Designing, deploying, and managing a Continuous Integration System which includes automated testing and automated notification of results using technologies like **Ansible, Terraform, Packer, Cloud formation, Docker**and**Server spec.**   **Environment:** GCP, Git, Ant, Ansible, Maven, Terraform, Docker, Kubernetes, Open shift, VM, SQL, Stack Driver, Linux, Jenkins, Nagios, Jira. | | |
| **Sr. Azure DevOps Engineer** | St. Jude’s Hospital | Nov 2018 – Jan 2020 |
| * Designed and configured **Azure Virtual Networks**(V-Nets), **Subnets,** Azure Network Security Groups, DNS Settings, **Security**policies and **Routing.** * Written runbooks in PowerShell and deployed using **CI/CD Azure DevOps**to **Automation Accounts.** Release pipelines use **Azure AD Application Registration service principal**in the Azure DevOps **service connections**for authentication to Azure. Runbook uses **connections**for Authentication. * Written Automation scripts in PowerShell, which make API calls to Azure DevOps and find users who have not accessed Azure DevOps for more than 90 days (Cost Optimization Project) * Acted as build and release engineer, deployed the services by VSTS (Azure DevOps) pipeline. Created and Maintained pipelines to manage the IAC for all the applications. * Handle escalated Support tickets till closure for MS Azure PaaS platform. Configured AD connect to configure federation with on-premises ADFS and Azure AD. * Created CI/CD Pipelines **in Azure DevOps**environments by providing their dependencies and tasks. Also have experience on implementing and managing continuous delivery systems and methodologies on AWS and created END-END Automation with CI Procedures using **Jenkins**& automated Maven builds by integrating them with Continuous Integration tools **Jenkins.** * Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems. * Managed Azure Infrastructure **Azure Web Roles**, Worker Roles, **SQL Azure, Azure Storage, Azure AD Licenses**. Virtual Machine Backup and Recover from a Recovery Services Vault using **Azure** PowerShell and Portal. * Created, optimized, and continuously evaluated security monitoring content (correlated searches/alerts) on Splunk and define and update KPI’s for ITSI. * Designing the Splunk system solution to meet growth while maintaining a balance between performance, stability, scalability, and agility. * Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP (Google Cloud Platform). Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy. * Used **Jenkins pipelines** to drive all microservices builds out to the **Docker registry** and then deployed to **Kubernetes**, Created **Pods** and managed using **Kubernetes.** * Experience with container-based deployments using Docker, working with Docker images, Docker hub and Docker registries, installation and configuring Kubernetes and clustering them. * Managed **Kubernetes**charts using Helm. 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.** * Comprehensive experience in the design and implementation of**Continuous Integration**, **Continuous Deployment**, **Continuous Delivery** and **DevOps**Operations for Agile projects, working with technologies and platforms including **UNIX/Linux, Java, Subversion, Git, Ant, Maven, Jenkins, AWS, Open stack, Ansible, Kubernetes, Docker, Tomcat, across the Health care, Finance,**and **Service Sector**. * 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.** * Building/Maintaining Docker container clusters managed by **Kubernetes, Linux, Bash, GIT, Docker, on GCP.** Utilized Kubernetes and Docker for the runtime environment of the **CI/CD**system to build, test deploy. * Designed, deployed and managed a Continuous Integration System which includes automated testing and automated notification of results using technologies like **Ansible, Terraform, Packer, Cloud formation, Docker**and**Server spec.** * Automated setting up server infrastructure for the **DevOps** services, using **Ansible**, **shell** and **python scripts**. * Experience in managing **Ansible Playbooks**with **Ansible roles.** Used file module in Ansible playbook to copy and remove files on remote systems. Created inventory in Ansible for automating the continuous deployment. * Used **Ansible**and **Ansible**Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change. * Installed Jenkins/Plugins for GIT Repository, Setup SCM Polling for Immediate Build with **Maven** and Maven Repository (**Nexus**Artifactory) and Deployed Apps using custommodules through **Puppet**as a CI/CD Process. * Configured and maintained Hudson to implement the CI process and integrated the tool with Ant and Maven to schedule the builds. Took the sole responsibility to maintain the CI Jenkins server. * Improve speed, efficiency, and scalability of the continuous integration environment, automating wherever possible using **Python, Ruby, Shell and PowerShell Scripts**. * Implemented Ansible Tower for managing complex network deployments by adding control, knowledge and delegation to Ansible powered environments. Wrote Ansible Playbooks using Python SSH as Wrapper for Managing Configurations of my servers, Nodes, Test Playbooks on Azure instances using Python. * Create and maintain highly scalable and **fault tolerant** multi-tier AWS and Azure environments spanning across multiple availability zones using **Terraform**and**CloudFormation**.   **Environment:** Azure, AWS, Power Shell, CI/CD , IAC , Azure PAAS, Maven, Jenkins, SQL , VM , Splunk, Docker, Kubernetes, Linux, Git, Helm charts, Java, Open stack, Nexus, Python, Ansible, Ruby. | | |
| **DevOps Engineer** | **Macy’s Inc** | **Nov 2017 – Oct 2018** |
| * Leveraged AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable, and flexible systems that handled expected and unexpected load bursts. * Creating **S3** buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS. * Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python and Docker on familiar servers such as Apache, and IIS. * Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates. * Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates. * Designed roles and groups using AWS identity and access management (IAM), and manage network using Security Groups, Network Access Control Lists with services provided by IAM. * Developed and supported key pieces of the company's AWS cloud infrastructure. Built and managed a large deployment of Ubuntu Linux instances systems with Ops Code. * Used Bash and Python included Boto3 to supplement automation provided by Ansible and Terraform for tasks such as encrypting EBS volumes backing AMIs and scheduling Lambda functions for routine AWS tasks. * 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. * Migrated a production infrastructure into an Amazon Web Services VPC utilizing AWS CloudFormation, EC2, S3, Chef/Ops Works, CloudWatch, CloudTrail, EBS, Route 53, IAM etc. This included migrating a number of production MySQL databases into RDS/ Elastic Cache, rewriting a large set of monolithic recipe-based cookbooks as Provider and Attribute-driven wrapper cookbooks. * Configured and integrated **GIT**into the **continuous integration**(CI) environment along with **Jenkins**and written scripts to containerize using **Ansible**with **Docker**and orchestrate it using **Kubernetes.** * Container management using Docker by writing **Docker files**and set up the automated build on **Docker HUB** and installed and configured **Kubernetes.** * Building/Maintaining Docker container clusters managed by **Kubernetes, Linux, Bash, GIT, Docker, on AWS.** Utilized Kubernetes and Docker for the runtime environment of the **CI/CD**system to build, test deploy. * Designed, deployed, and managed a Continuous Integration System which includes automated testing and automated notification of results using technologies like **Ansible, Terraform, Packer, Cloud formation, Docker,**and**Server spec.** * Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins** and implemented a Continuous Delivery framework using **Jenkins**. * Configured applications that run multi-container Docker applications by utilizing the Docker-Compose tool which uses a file configured in YAML format. Used Kubernetes to manage containerized applications using its nodes, Config-Maps, selector, Services, and deployed application containers as Pods. * Designed strategies for optimizing all aspect of the continuous integration, release and deployment processes using container and virtualization techniques like Docker and Kubernetes. Built Docker containers using microservices project and deploy to Dev. * Automated the front-ends platform into highly scalable, consistent, repeatable infrastructure using high degree of automation using **Puppet, Vagrant, Jenkins, and cloud Formation.** * 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. * Used **CI/CD tools Jenkins, Git/Gitlab,**Jira and Docker registry/daemon for configuration management and automation using **Puppet.** * Create develop and test environments of different applications by provisioning Kubernetes clusters on AWS using **Docker**, **Ansible**, and **Terraform**. * Migrated Linux environment **to AWS**by creating and executing a migration plan, deployed EC2 instances in VPC, configured security groups &NACL's, attached profiles and roles using **AWS Cloud Formation templates and Ansible modules.** * Responsible for Administering and maintaining Jenkins and Jenkins slaves on windows and Linux (Debian/Ubuntu). Created many Jenkins slaves and setup jobs on master to run on slaves. * Worked on integrating GIT into the continuous Integration (CI) environment along with Anthill-Pro, Jenkins, and Subversion. * Worked in EBS Encryption, S3, and data Confidential rest and data in transit. Created Python scripts to automate AWS Services which includes ELB, Cloud front, Lambda, database security and application configuration also Developed them to take backup of EBS volumes using AWS Lambda, CloudWatch. * Configured EC2 instances by writing Terraform templates, Chef cookbooks, recipes and pushed them on to Chef server. 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. * Automated the cloud deployments using Chef, Python and AWS Cloud Formation Templates and configured Chef to build up services and applications on the instances once they have been configured using Cloud Formation. * Develop Shell scripts to automate routine DBA tasks (i.e., database refresh, backups, monitoring) worked on a real-time data analytics project here at Confidential. The main aim of the project is to get real time information about the clients watching our product. To achieve this, we used some of the most interesting technologies in big data like Kafka, ELK.   **Environment:** AWS, java, PHP, Node.js, Python, Docker, JSON templates, BOTO3, Terraform, GIT, Jenkins, Kubernetes, YAML, Chef, Kafka. | | |
| **Build and Release Engineer** | **Tech Star India Pvt Ltd** | **June 2016 – August 2017** |
| * Successfully handled the complex environment with parallel development, parallel releases, Releases to Development/Integration Testing, Performance Testing, Pre-Prod and Production environments * Created **Jenkins jobs** and distributing load on **Jenkins server** by configuring Jenkins nodes, which will enable parallel builds. Performed automation of **CI/CD pipeline** in private cloud using **Jenkins** shared libraries and multibranch pipeline and automated the static code analysis through **SonarQube** in **Jenkins pipeline** for checking code quality. * Experience in creating various modules and automation of various facts in **Puppet**, adding nodes to enterprise **Puppet master** and managing **Puppet agents**. Creating **Puppet manifests** files and implementing Puppet to convert **Infrastructure as code**. * Involved in Building and configuring Red Hat **Linux** Servers using **Kick** **Start** server as required for the project. Maintained maximum uptime and maximum performance capacity for enterprise production, **QA,** and **UAT**/**staging** * Worked on **RPM** package manager to **install, update, verify, query** and erase software packages on **Linux Servers** and worked on automation of activities using bash scripting. * Manage source code, software builds, software versioning, & defect tracking on software maintenance tasks/projects. * **Chef** manages the **Cluster**, shared credentials, generates **Chef-Server** configuration and maintains secure communication to be a part of front-end group. * Maintained build related scripts developed in ANT, Python, and shell. Modified build configuration files including **Ant** and **build.xml**. * Expertise in load balancing & monitoring **Splunk.** Collaborated with internal teams to integrate data feeds to a centralized **Splunk** platform. * Used **Maven** dependency system to deploy snapshot & release **artifacts** to nexus to share artifacts across java.Net projects and environments. Performed migration of the source code from apache subversion (**SVN**) to **GIT HUB.**   **Environment:** Jenkins, SonarQube, Puppet, Linux**,** Kickstart, QA, UAT, python , Shell, Splunk, SVN. | | |
| **Linux Administrator** | **ITC Infotech** | **March 2014 – May 2016** |
| * Installed and configured **Kickstart, DHCP, DNS (BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, POP3), and file servers on Linux servers**. * Administered Linux servers for several functions including managing **Apache**/**Tomcat** server, **mail** **server**, **MySQL** databases in both development and production. * Involved in build and Deployment of various projects in different environments. Deployed T1's and routers to all satellite offices using an MPLS network for video conferencing and remote services. * Monitoring **CPU, memory, iSCSI disks, disk controllers, physical disk, HW and SW RAID, multipath, file systems**, network using the tool **NAGIOS.** * Worked on **RPM** package manager to **install, update, verify, query** and erase software packages on **Linux Servers** and worked on automation of activities using bash scripting. * Responsible for creating builds, Staging, and deploying Software Content across multiple environments (**DEV, QA, Demo, Test, Staging, UAT and Production**). * Root causes analysis for Linux (**RedHat**, **SUSE** and **CentOS**), **VMware**; **ESix** hosts, **Windows**, **Ubuntu** servers and **EMC** storage using log files. Performed **kickstart** to automate installation process for fifteen **RHEL** and **CentOS** server units and wrote **bash** **shell** **script** to create multiple accounts at once and a script to configure **samba** **server** on **Linux** for file sharing.   **Environment:** Linux, Kickstart, DHCP, Apache Tomcat, MySQL, Nagios, RPM, Bash, UAT, QA, cent OS, VM. | | |
| **Education** | | |
| Lamar University, TX | M.S. in Computer and Electrical Engineering |  |