**NAVADEEP REDDY ARDHAM**

*DevOps Engineer*

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**PROFILE SUMMARY:**

* Overall, 10 years of comprehensive experience in IT industry in that 6+ years of experience in areas of DevOps, Cloud technologies, CI/CD pipeline, Configuration Management Build/Release Management and 4+ year of experience in Linux/Windows Administration role.
* Worked on installation, configuration, maintenance and troubleshooting of **Redhat, Linux**, Ubuntu, **Fedora**, **CentOS**, Sun Solaris and some Windows Servers.
* Experienced in Cloud implementations like AWS and Azure involving extensive work towards code compilation, packaging, building, debugging, automating, managing, tuning and deploying code across multiple environments yet flexible in multitasking when necessary. Proficiency in writing automation scripts to support infrastructure as code in **AWS/Azure and Linux/Windows** Administration.
* Expert 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**, Cloud Watch**, Kinesie, **Cloud Formation**, IAM.
* Build and configure a virtual data center in the **AWS cloud** to support Enterprise Data Warehouse, including Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer (ELB).
* Worked on AWS for deploying **EC2** instances consisting of various flavors viz., **Oracle Linux**, **RHEL**, **CentOS**, Ubuntu and Solaris in both Linux and Windows.
* Created and deployed VMs on the Microsoft cloud service Azure, managed the virtual networks, **Azure AD** and **SQL.**
* Architected, deployed, and maintained scalable and resilient AWS infrastructure, leveraging services like **Auto Scaling, Elastic Load Balancing**, and **AWS CloudFormation** to ensure high availability and performance of applications and services.
* Extensively utilized Azure services, including Azure Virtual Machines, **Azure App Service**, **Azure SQL Database**, **Azure Blob Storage, Azure Key Vault, Azure Monitor**, Azure Security Center, and Azure DevOps
* Experience on complete software development life cycle (SDLC) with software development models like Agile, Scrum Model, **JIRA**, Waterfall model.
* Experienced in Automating, configuring and deploying instances on AWS, **Microsoft Azure** and Rackspace cloud environments and Data centers.
* Automated deployment SaaS based application on cloud using **Chef** Enterprise, Pivotal Cloud Foundry and **AWS**.
* Manage Amazon **Redshift** clusters such as launching the cluster and specifying the node type as well.
* Setup and build AWS infrastructure using various resources, VPC EC2, RDB, S3, IAM, EBS, Security Group, Auto Scaling, SES, SNS and RDS in Cloud Formation **JSON templates**, **Route53**, Lambda.
* Created and deployed applications, manage domains, control access to our OpenShift applications, and give you complete control of your cloud environment.
* Created and deployed VMs on the Microsoft cloud service Azure, managed the virtual networks, **Azure AD** and **SQL.**
* Experience in maintaining Atlassian products like **JIRA**, Confluence, Bamboo and Bitbucket.
* Experience in development and deployment of applications using JBoss, IBM WebSphere Application and **Apache Tomcat**.
* Implemented Installation of **MongoDB** on physical machines, Virtual machines as well as AWS. Backup & Recovery, Database optimization and Security maintenance.
* Involved in development of test environment on **Docker containers** and configuring the Docker containers using **Kubernetes**.
* Implemented **Kubernetes service mesh** architecture using Istio or Linkerd to enhance observability, traffic management, and security within microservices architectures
* Orchestrated containerized applications using **OpenShift, Docker, Kubernetes, and Helm charts** to optimize resource utilization, scalability, and streamline deployment across environments.
* Created and updated puppet manifests and modules, files and packages stored in GIT repository. Responsible for implementing Puppet for applications deployment.
* Perform architect roles like redefining architecture and automate existing one
* Experience in Installation and Configuration of different modules of Service-Now.
* 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.
* Implemented end-to-end CI/CD pipelines using **Azure Pipelines, Jenkins, Git, Maven**, and **Bitbucket**, automating build, test, and deployment processes for continuous integration and delivery
* Developed Playbooks using **Ansible** to deploy consistent infrastructure code across multiple environments.
* Installed Jenkins/Plugins for GIT repository, setup SCM polling for immediate build with maven and maven repository (**Nexus Artifact**) and deployed apps using custom Ruby modules through puppet as a CI/CD process.
* Worked on Jenkins jobs to new server, **Jenkins pipelines**, and Dockized build environments
* Utilized **Jfrog/Nexus Artifactory** for artifact management, enabling efficient version control and distribution of software packages.
* Advance troubleshooting for SSO web applications and SAML integrations Digital Key Management and Federated Identity partner integration.
* Used **Nagios, Datadog**, **Prometheus and Grafana** for infrastructure monitoring and alerting, ensuring high availability and performance of critical systems and services.
* Configured **Splunk, ELK stack, AWS CloudTrail, AWS Cloud watch, Azure app-insights** for centralized log management and realtime monitoring of system and application logs, facilitating proactive troubleshooting and analysis.
* Experience in Installing, configuring Cloud Foundry Ops Manager, App Manager, Etc.
* Configuring and installing VMware virtual center servers and **VMware, Vcenters Appliance**.
* Monitoring the servers using tools like BMC and Nagios and providing 24x7 on call support rotation basis.
* Expertise in Installing and Managing **LDAP, NIS, NIS+, NFS, DHCP, SAMBA, DNS**. Knowledge of using Routed Protocols like **FTP, SFTP, SSH, HTTP, HTTPS** and Direct connect.

**Education:**

* Masters in Computer Science from USA.

**Technical Skills:**

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| Cloud Environments | Microsoft Azure, Amazon web Services |
| AWS Services  | RDS, EC2, VPC, IAM, Cloud Formation, EBS, S3, ELB, Auto Scaling, Cloud, Trial, SNS, Cloud Watch.  |
| Azure Services  | App Services, Key vault, function app, Blob storage, Azure Active Directory (Azure AD), Service Bus, Azure Container Registry (ACR) and Azure Kubernetes service (AKS), Azure SQL, Azure Cosmos DB.  |
| Build Tools  | ANT, Maven, Gradle, Sbt |
| Automation Tools | Jenkins, chef, Puppet, Ansible, Docker, Vagrant, Terraform, Kickstart, Open Shift, spinnaker. |
| Version control tools | GIT, Subversion (SVN), Bit-Bucket, GitHub |
| Web/Application servers | Tomcat, Apache, JBOSS, Web Logic, Web Sphere and Nginx |
| Networking/Protocol | DNS, DHCP, CISCO Routers/Switches, Palo alto, WAN, TCP/IP, NIS, NFS, SMTP, LAN, FTP/TFTP, Juniper, Cisco |
| Scripting | Perl, Python, Ruby, Bourne, NodeJS, Groovy, Bash shell, Power shell scripting |
| Virtualization Technologies | VMWare ESXi, Windows Hyper-V, Power VM, Virtual box, Citrix, Xen |
| Operating systems  | UNIX, Linux, Windows server  |
| Databases | RDBMS, NoSQL, MySQL, DB2, PostgreSQL, MongoDB, Cassandra DB, Hadoop |
| Testing/code quality | SonarQube, Selenium |
| Artifactory | Jfrog, Nexus |
| Tracking Tools | JIRA, ALM, Ralley |
|  Documentation  | Confluence |
| Monitoring Tools | Nagios, Cloud Watch, Splunk, ELK, Grafana, Prometheus  |
| Infrastructure as code  | Terraform, Cloud formations  |
| Logging | Cloud Watch, Cloud Trail, Azure App Insights, Azure Monitor |

**CERTIFICATIONS:**

* Azure Administration Certified Developer.
* AWS Certified Solution Architect Associate.
* Certified Kubernetes Administrator

**PROFESSIONAL EXPERIENCE:**

**Client: Travel Click, Orlando, FL Aug2022 – Present**

**Role: Azure DevOps Engineer**

**Responsibilities:**

* Developed end-to-end pipelines for Continuous Integration and Deployment (CI/CD) with Azure DevOps, automating smooth builds and deployments for databases, web apps, user interfaces, and infrastructure as code (IaC) in a variety of settings.
* Implemented Azure services such as Azure Virtual Machines (VMs), Azure App Services, Azure SQL Database, Azure Storage Accounts, ACR, AKS, Azure DevOps (ADO), Azure Blob, ARM and Azure Virtual Network Gateways.
* Proficiency in automating infrastructure with Azure CLI, monitoring and troubleshooting Azure resources with Azure App Insights, and using PowerShell to access subscriptions. Expertise in configuring and managing Azure Storage Firewalls and Virtual Networks.
* Maven for build automation, and Azure deployments using Terraform.
* Focused on using Terraform Templates to automate Azure IAAS VMs and delivering Virtual Machine Scale Sets (VMSS) in a production environment using Terraform Modules.
* Expert in automating infrastructure with Azure CLI, monitoring and troubleshooting Azure resources using Azure App Insights, and gaining PowerShell subscription access.
* Maintained and configured virtual networks and Azure storage firewalls, enabling administrators to establish network policies by utilising virtual network service endpoints.
* Checked Linux servers and worked extensively with Linux-based operating systems.
* Managed Azure services, including Azure Active Directory, Azure SQL, and Azure App Service.
* Involved in Docker deployments using Kubernetes and used Docker to set up the Azure Container Registry using Docker and Docker-compose.
* Implemented containerized applications on Azure Kubernetes using Azure Kubernetes Service (AKS), Kubernetes Cluster, Ingress API Gateway.
* Proficient in managing Kubernetes clusters, including deployment, scaling, and maintenance of pods and services, utilizing advanced features such as horizontal and vertical scaling, rolling updates, and auto-scaling to ensure high availability, fault tolerance, and efficient resource utilization.
* Developed virtual machine scale sets in a production environment and used Terraform Templates to automate the Azure IaaS virtual machines using Terraform modules.
* Completed the Azure Scalability configuration, which includes configuring and setting up a collection of Virtual Machines (VMs).
* Extensive expertise parsing and interpreting numerous network protocols with PyShark, such as TCP, UDP, HTTP, and DNS.
* Used Azure Key Vault to safely handle and store a variety of access keys, infrastructure configuration credentials, and application secrets.
* Collaborated on Kubernetes continuous deployment projects with Spinnaker and managed automation, container storage, and Kubernetes orchestration with OpenShift maximising the container platform’s multi-tenancy capabilities.
* Created visual dashboards and data visualisation’s using Grafana, integrated Prometheus for data collecting and monitoring.
* Defined tasks, variables, files, handlers, and templates for Ansible roles that were created in YAML. Utilising Ansible for multi-node configuration management via SSH and PowerShell.
* Utilized Python’s data manipulation libraries like Pandas and NumPy to perform advanced data analysis on datasets.
* Proficient in managing various Azure IaaS and PaaS services, including Azure Virtual Machines, Azure DevOps, SQL databases, and Azure networking.
* Applying standardized setup parameters, resources were provisioned quickly by creating ARM templates with JSON.
* Implemented CI/CD pipelines to build, provision and deploy proof-of-concept (POC) applications on test environments and later production environments for our clients.
* Formulated Azure devops pipelines for building micro-services, storing Docker images, deploying to Kubernetes (AKS), and executing deployments using HELM charts and Bitbucket.
* Migrated SQL database from on-premises to AZURE SQL using Azure Data Factory and setting-up with self-hosted integration runtime.
* Applied Azure role-based access control (RBAC) to enforce least privilege access and manage permissions
* Implemented Datadog as the primary monitoring system to provide end-to-end visibility throughout infrastructure, services, and applications.
* Utilising the publish-subscribe architecture for effective microservices communication, Apache Kafka was implemented to create scalable and distributed messaging
* Used Splunk for setting up, installing, and troubleshooting the programme in addition to monitoring server application logs and identifying issues with production.
* Handled the implementation of Azure Boards to track all issues pertinent to the software development lifecycle and managed the integration of JIRA.

**Environment**: Azure, Aks, Terraform, Ansible, Docker, Kubernetes, Git, Maven, Pyshark, Splunk, Nagios, Python Scripts, Kickstart, Java/J2EE, Linux, JIRA, HELM charts, Bitbucket, Kafka, Data Dog , ARM Templates, JSON,RBAC.

**Client**: Caterpillar **Inc, Peoria**, IL

**Role: AWS DevOps Engineer June 2020 - July 2022**

**Responsibilities:**

* Developed and maintained Infrastructure as a Service (IaaS) on the AWS Cloud platform, utilizing key functionalities including Auto Scaling, CloudFront, CloudWatch, EC2, VPC, S3, SNS, RDS, ECR, and EKS. Adept at creating CloudFormation scripts that enable resource deployment and configuration while providing compatibility with a variety of AWS infrastructure components.
* Designed AWS Cloud Formation templates, managing data components, defining AWS resources, and deploying a variety of components including EC2 instances, S3 buckets, IAM roles and EKS clusters.
* Utilized Auto Scaling to dynamically adjust compute resources based on demand, optimizing resource utilization and cost efficiency.
* Created and managed IAM users, groups, roles, policies, and identity providers within AWS infrastructure, demonstrating expertise in IAM services.
* Worked on the Apache Tomcat and Apache HTTP Servers on the EC2 instances, the artifacts were utilized and deployed.
* Defined NAT setups, subnets, and VPCs with specific sizes when designed AWS Cloud Formation templates and Elastic Load Balancers (ELB) were implemented to distribute application traffic among several EC2 instances in an optimal manner.
* Managed GIT and GitHub repositories for branching, merging, and tagging.
* Setup Jenkins tool to integrate the JAVA project and maintained Jenkins with continuous integration and deployment.
* Utilized Maven as build tool for applications written in Java, creating build artifacts from the source code and storing the war, jar files in the Nexus repository.
* Promoted end-to-end process automation, including building, deployment, and testing. Introduced state-of-the-art CI/CD pipelines to maximize productivity, quicken release cycles.
* Architected and developed secure and optimized Docker images for core applications like payment APIs, recommendation engines, and data pipelines.
* Led Docker image building standards and registry management using Amazon ECR across environments. Established CICD pipelines for automated builds, scans and pushed in to ECR.
* Managed the creation and implementation of robust Kubernetes clusters on Amazon EKS for production workloads, utilizing security groups, VPC’s, and IAM roles to guarantee high availability.
* Setup node auto-scaling policies, upgrade strategies and optimized Kubernetes for cost and performance.
* Utilized Kubernetes for automatic scaling, load balancing, and self-healing of containerized applications.
* SLI findings were integrated directly into our CI/CD workflow, ensuring ongoing monitoring and improvement in line with our service reliability goals.
* modified and defined performance objectives (SLOs) for AWS infrastructure and services to ensure alignment with business and user expectations.
* Implemented strong monitoring with AWS CloudWatch to keep a constant check on performance indicators (SLIs).
* Implemented monitoring and alerting solutions, harnessing the capabilities of ELK Stack, Splunk, Datadog, Azure Monitor, and Prometheus.
* Configured custom dashboards and sophisticated alarms to proactively detect performance anomalies and swiftly respond to incidents.
* Managed Azure Kubernetes Service (AKS) clusters in Azure, utilizing Azure CLI, Azure portal, Resource Manager templates.
* Deployed Kubernetes Pods to manage and protect containerized application units, improving resource isolation and effectiveness.
* Designed Kubernetes manifests for all major microservices defining resource limits, requests, probes, and affinity rules.
* Setup horizontal pod auto-scalers along with custom metrics (tools such as Grafana etc) for APIs receiving high traffic.
* ETL (Extract, convert, and Load) workflows were developed utilizing AWS Glue to effectively transport and convert data between numerous sources and destinations.
* Installed and configured Ansible in AWS EC2 instances using Python pip and automated the cloud deployment using AWS, AWS CLI, Python and AWS cloud formation templates.
* Nagios was put into use and coupled with Ansible to enable server monitoring automatically. Creates, builds, and deploys infrastructure, integrating it with Ansible to handle Linux provisioning.
* Managed roles, modules, and written Ansible playbooks. Created bespoke development by taking advantage of Ansible Rapid Application Deployment (RAD) techniques to automatically deploy servers as needed.
* Implemented load testing procedures, utilizing AWS CloudWatch for real-time monitoring of performance environment instances.
* Configured AWS Glue Crawlers to automatically discover and catalog metadata about data stored in diverse sources, including Amazon S3, databases, and more.
* Established alarms with defined thresholds, and incorporated metric filters for proactive log monitoring, ensuring prompt identification of performance and operational issues.
* Real-time event streaming was made possible via Kafka, which also made it possible for data to be seamlessly transferred between various components and integrated across many systems.
* Involved in configuring different processes, plugins, and customizations for the JIRA bug/issue tracker in addition to setting up the system as a defect tracking tool.
* Coordinated NACL design, implementing strict rule sets that regulate source destination IP addresses, ports, and protocols to enforce subnet-level traffic management and worked closely with the networking team to align NACL settings with project networking requirements.
* Created and managed Kanban boards including backlogs, sprint boards providing real-time visibility into task status, progress, and work allocation, promoting transparency and accountability.

**Environment**: AWS, Chef, SVN, Jenkins, Docker, WebLogic, JIRA, Oracle, SQL, Shell, Kafka, Groovy, Perl, Python, Ant, Maven, Apache Tomcat, Java, RHEL/Linux, Centos, Solaris, Udeploy, Terraform, Splunk, Redshift, Kubernetes, JBoss, OpenShift.

**Client: American Airlines, Addison, TX**

**Role: Cloud DevOps Engineer Jan 2017 to May 2020**

**Responsibilities**:

* Expert with OpenShift to deploy java spring application in containerized environment using Kubernetes and achieved CI-CD using Jenkins’s pipeline.
* Worked and Used PivotalCloudFoundry (PCF) for application deployment be developing Jenkins build jobs.
* Responsible for Building the applications by using POM.XML in maven by adding all the dependencies required.
* Created recommendations on how to duplicate a subset of on-premise machines to the Azure Infrastructure as a Service (IAAS) offering which will be used for disaster recovery. This analysis included the specifics to synchronize on-premise data with SQL Server and SharePoint instances hosted in VMs.
* Written CloudFormation Templates (CFT) in JSON and YAML format to build the AWS services with the paradigm of Infrastructure as a Code.
* 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.
* Configured Continuous Integration from source control, setting up build definition within Visual Studio Team Services (VSTS) and configured continuous delivery to automate the deployment of ASP.NET MVC applications to Azure web apps and managed Azure Active Directory, Office 365 and applied upgrades on a regular basis.
* Worked on GIT to maintain source code in Git and GitHub repositories.
* Implemented a CI/CD pipeline with Docker, Jenkins (TFS Plugin installed), Team Foundation Server (TFS), GitHub and Azure Container Service, whenever a new TFS/GitHub branch gets started, Jenkins, our Continuous Integration server, automatically attempts to build a new Docker container from it.
* Made the container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries.
* Deployed and managed Kubernetes clusters on Azure Kubernetes Service (AKS) for container orchestration and management.
* Created Kubernetes cluster with objects like Pods, Deployments, Services & Configure Maps and created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and releases of Helm packages.
* Used Load balancer which guides the incoming traffic to internal microservices running on multiple pods.
* Configured Azure (AD) Seamless SSO to cloud apps like SaaS using Pass-through Authentication and Password Hash Synchronization so that on-premise existing users can access Azure cloud apps with their local AD domain credentials.
* Converted existing AWS infrastructure to Server-less architecture AWS Lambda, Kinesis deployed via terraform.
* Created automation and deployment templates for relational and NoSQL databases including MSSQL, MySQL, Cassandra and MongoDB in AWS.
* Implemented Azure services using ARM templates (JSON) and ensured no changes in the present infrastructure while doing incremental deployment and Managed the Azure Data bricks/Spark, Azure Data Factory and Azure Cosmos DB.\*
* Worked with Terraform Templates to automate the Azure Iaas virtual machines using terraform modules and deployed virtual machine scale sets in production environment. Top of Form
* Ant and maven was used to automate build tasks, resulting in effective deployment, testing, and compilation procedures to improve project scalability, optimise dependency management with Azure services.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub

and Docker-registries and Kubernetes.

* Checking the code quality analysis of the application by using SonarQube and making a report on the Quality of the code.
* Utilized JMeter scripts for real-world workload simulation, ensuring cloud application resilience and reliability.
* Expertise in large-scale testing demonstrated by automated performance testing pipelines in CI/CD and analysis of test results to provide the development team with relevant insights.
* Wrote the Ansible Playbooks to setup Continuous Delivery Pipeline and Deployed micro-services, including provisioning AWS environments using YAML scripting to install, configure and upgrade various applications on the server Apache Tomcat.
* Worked on setting up Jenkin server and configured Jenkins for a weekly Build, Test and Deploy chain where the source code from Git built into artifacts and deployed into Nexus repository by writing post build steps.
* Carried out DNS resolution using Amazon Route 53 for domain management and routing traffic to AWS resources.
* Configured and maintained SPLUNK across UNIX and Windows platforms and extensive experience in Creating Splunk Dashboards and Alerts.
* Involved in scrum meetings, product backlog and other scrum activities and artifacts in collaboration with the team.

**Environment**: Java, Maven, ANT, Gradle, groovy, GIT, SVN, Puppet, Jenkins, JSON, Splunk, JMeter, Tomcat, Sonar Qube, Bugzilla, Shell and Perl Scripts, Ansible, PowerShell, Nexus, RHEL,JMeter.

**Client: Ameriprise Auto & Home Insurance, De Pere, WI**

**Role: Build and Release Engineer Oct 2015 to Dec 2016**

**Responsibilities:**

* Experience in code branching, tagging and maintaining the version across the environments for .NET applications in Team Foundation Server using Visual studio.
* Responsible for managing IAM Policies, providing access to different AWS resources, and designing and refining the workflows for grant access.
* Worked on Cruise Control .net to continuous integrate the code from Azuredevops for different environments using the IBM Build Forge tool.
* Building and maintaining the build environment, the TFS source code control system, and build package management.
* Automated the build and release processes through YAML-based build pipelines in Azure DevOps, deploying code to diverse web servers using Azure services.
* Developed the build.xml scripts in IBM Build Forge to automate the process of build and release the code for different applications in different environments.
* Managed the source codes repository of multiple development applications using PVCS version control tools.
* Executed automated jobs and commands daily to make the code available in live environments.
* Promoted the packages in Mainframe to Production via UNIT, SYSTEM, QA environments.
* Extensive experience in the normal and emergency routes for package promotion in Mainframe.
* Worked on Cloud automation using AWS Cloud Formation templates.
* Wrote puppet modules for the Tomcat/Apache/Splunk forwarder services in our distributed infrastructure
* Executed build and deployment tasks in staging, production, QA, and UAT environments.
* Tagging and migrating AB Initio air objects from dev to prod through the QA and pre prod environments.
* Developed the EME and Sandbox routes for object check-in and check-out in different environments.
* Expertise in Querying RDBMS such as Oracle, SQL Server and MySQL by using SQL for Data Integrity.
* Extensive experience in scheduling and executing the jobs in SSIS in the SQL Management Studio.
* Executed the DDL and DML statements, PL/SQL procedures and functions in order to perform release tasks.
* Managed the transfer of EAR files from Tibco to Azure-based ITEST, QA, and Preprod environments and on-time delivery of applications.
* Azure infrastructure was put into place to maximize scalability and efficiency while deploying and handling Tibco EAR files in a variety of instances.
* Created the applications in the Tibco and configured them according to the developer requirements.
* Expertise on Job Scheduling in SQL Server 2008.
* Deployed the database scripts in Toad and SQL Management Studio.
* Developed UNIX Shell and Perl scripts for the purpose of manual deployment of the code to different environments and email the team when the build is completed.
* Responsible for building and releasing packages to DEV, test and QA Environments.
* Worked on Client in built request tracking tool BMR Tool.
* Worked on Azure Monitor to track and resolve application problems while controlling and maintaining track on Azure resources through the Azure interface.
* Tracked infrastructure changes and optimized resources using Cloud Health.

**Environment**: TFS, Build Forge, AB Initio, Mainframe, Transcend, TFS, Cruise Control, PVCS, VSS, UNIX, PERL, SHELL, Windows, IBM ClearQuest, ServiceNow, VBScript, SQL, Oracle, SSIS, PL/SQL, Tibco.

**Client: Delta Airlines Inc., Atlanta, GA Aug 2013 - Sep 2015**

**Role: Linux System Admin**

**Responsibilities:**

* Created and maintained user accounts in Redhat Enterprise Linux (RHEL)and other operating systems.
* Installed the latest patches for, Oracle on Red hat Linux servers, Configured and administered Send mail, Samba, Squid servers in Linux environment
* Set up the Linux Cron jobs for automating various build related jobs and application data synchronization jobs.
* Responsible for building of Linux OS servers using Kick-start automation application
* Updated previous LDAP tools to work with version of Backbone.js.
* Involved in Installing, Configuring and Upgrading of red hat Linux AS 4/5, Solaris 9/10 operating systems.
* Administered and supported distributions of Linux, including Linux Enterprise Desktop, SUSE Linux Enterprise Server, Red hat and Solaris.
* Deep knowledge with user administration, including the creation of users, groups, and permissions created and maintained user accounts, profiles, disc space, security permissions, and process monitoring, including password resets and account unlocks.
* Worked on Linux Package installation using RPM and YUM, provisioned system with LVM.
* Developed, customized and build packages on Solaris and rpms on Linux for deployment on various servers through Software Development Life Cycle.
* Implemented modules in SOA platform to support various integration styles which includes SOAP, REST and XML over HTTP and JSON.
* Operated and added new users, groups, and imposed security measures and limitations on access to files and folders.
* Resolving TCP/IP network access problems for the clients.
* implemented VMware Virtual Centre to create Linux virtual machines, create VM templates, and debug any difficulties of virtualization.
* Worked with Linux performance tuning to add tuning parameters to the kernel and optimize the Kernel.
* I identified and fixed issues related to DNS, DHCP, VPN, NFS, and Apache.
* Installed, tested and deployed monitoring solutions with Splunk services.
* Utilising the BMC Remedy tool to create change requests, work orders, and problem tickets, then obtaining process owners' permission.
* Reduced the time it takes to address identical tickets by documenting the majority of concerns raised during working hours.

**Environment**: Oracle on Red hat Linux, Samba, Squid, Red hat Linux AS 4/5, Solaris 9/10, Linux Enterprise Desktop, SUSE Linux Enterprise Server, Red hat and Solaris, LDAP.