

# PROFESSIONAL SUMMARY

* 8 years on Azure, 10 years on AWS, Amazon Employee. Expertise in DevOps, Cloud Infra, Security, Identity & Compliance, Analytics, Migration, Containerization, AWS & Azure Kubernetes, Openshift, OpenStack and Application Integration.
* Total 17+ years of experience, 9 years worked in GTI (Global Technology Infrastructure) of JP Morgan Chase Bank, architecting AWS and Azure Cloud and On-Premise infrastructure at the bank.
* Expertise in Azure DevOps, Board, Releases, Pipelines, Repos with Azure App Service, Data Factory, SQLServer, TFS, Visual Studio, ARM Templates, Advanced Terraform/Terragrunt and Powershell.
* Azure Kubernetes Clustering Expert with Helm, Azure DevOps Docker Container Pipelines & Repos.
* Expertise in Jenkins and CircleCI pipelines, integrating with SCMs like Github, Bitbucket, Azure Repos etc.
* Infra As Code (IaC) with Terraform, ARM, CloudFormation, YAML/JSON, Bash, Powershell, Python and Go.
* Expertise with working on Azure services such as Azure AD, Functions, Application Gateways, Azure Service Fabric (ASF), CosmosDB, Azure SQL Databases, App Service, VM’s, VM Scale Sets, Blobs, Files, Queues, Tables, VNets, Load Balancers, CDN, Traffic Manager, Route Tables, OMS, Migration Projects, Database Migration, Server Migration, ExpressRoute.
* Expertise with working on AWS services such as VPC, IAM, EC2, ECS, Serverless Architecture (Lambda), Elastic Beanstalk, DynamoDB, Autoscaling, CloudFront, Route53, API Gateway, DirectConnect, S3, Kinesis, RDS, SQS, & SES. Developed several POCs on the same to prove the cost, performance and agility related efficiencies these services can bring.
* Experience within following engineering disciplines - Storage, Server OS, Networking, Messaging, Monitoring, Database, and Web technologies.
* Exposure of making business areas adopt digital strategy and explore the options of prospect, customer and partner self-service for their organizational success.
* Driving innovation with directly designing and developing proof of concepts on the AWS Cloud.

Cloud Certifications:

* Microsoft Certified: Azure Solutions Architect Expert
  + - Exam AZ-300: Microsoft Azure Architect Technologies
    - Exam AZ-301: Microsoft Azure Architect Design
  + AWS Certified Solutions Architect – Professional
    - Exam AWS Certified Solutions Architect – Associate
* AWS Certified Solutions Architect – Associate
  + Exam AWS Certified Solutions Architect – Associate
* Certified Kubernetes Administrator (CKA)
  + Linux Foundation Exam for Certified Kubernetes Administrator

TECHNICAL SKILLS

AWS VPC Networking (VPC, Load Balancers, Cloudfront, Route53, Security Groups, Route Tables), AWS Cloudfront (OMS, Templates, Monitor, Insights), AWS Security, Identity & Compliance (AWS IAM AD, Users, Groups), AWS Analytics (Hadoop, Databricks, DataLakes), AWS Migration (Migration Projects, Database Migration, Server Migration)

Azure: Azure Functions, Azure Boards, Azure Pipelines, Azure Repos, Azure Test Plans, Azure Artifacts

AWS: CodeBuild, CodePipeline, CodeCommit, CodeDeploy, CodeStar  
Open Source: Git, Github, GitLab, Jenkins, Terraform, Ansible, Chef, Puppet, Bamboo, Nomad, Nagios, QuerySurge, Vagrant, Consul, PagerDuty, Snort, Splunk, CFEngine, TeamCity, CircleCI.

AWS Cloud: EC2, Lightsail, Elastic Container Service, EKS, Lambda, Elastic Beanstalk S3, EFS, Glacier, Storage, Gateway, RDS, DynamoDB, Elasticache, Neptune, Redshift, VPC, CloudFront, Route53, API Gateway, DirectConnect, CloudWatch, AutoScaling, CloudFormation, CloudTrail, Config, Opsworks, Service Catalog, Systems Manager, IAM, Cognito, Secrets Manager, CloudDuty, SSO, Migration Hub, Database Migration, Server Migration.

On-Premise Infrastructure: OS: Windows, Linux. Database: Oracle, SQL, PL/SQL. Server, Network & Storage: IBM, Microsoft, VMware, DellEMC, Netapp, Cisco, Brocade, F5, Palo Alto & ZScaler.

Coding & Technologies: Shell, Python, JavaScript.

Methodologies & Tools: Agile, SCRUM, JIRA, Bitbucket, CVS, SVN, Clear Case.

PROFESSIONAL EXPERIENCE

**IronRim** April 2024 – Current

AWS DevOps Architect

* Responsible for managing infrastructure provisioning (S3, ELB, EC2, RDS, Route 53, IAM, security groups - CIDR's, VCP, NAT) and deployment via SCALR and EC2 Installs with CentOS, Ubuntu and RHEL 6 and Scientific Linux.
* AWS EKS Kubernetes Clusters with ArgoCD or Flux, Istio, Helm, Prometheus, Ansible, Terraform and CI/CD automation.
* Worked on application migrations of IRS applications of OTCnet (Over The Counter Network) and ECP (Electronic Check Processing) applications from on-premise data centers to AWS GovCloud.
* Built from scratch the new TreasuryApps AWS GovCloud Account, IAM roles, Landing Zones, AWS Organizations structure, and custom AWS DevOps environments using AWS CodeBuild, CodePipeline, and CodeDeploy.
* Achieved FedRAMP High AWS GovCloud regulatory compliance by adhering to AWS GovCloud's built-in compliance controls.
* Achieved FedRAMP Moderate AWS GovCloud regulatory compliance with AWS's shared responsibility model and regulatory frameworks.
* Deployed and managed AWS WorkSpaces environments using CloudFormation templates and AWS CLI/PowerShell, optimizing resource usage and session performance
* Implemented Amazon FSx for efficient user profile management and session persistence across AWS WorkSpaces environments.
* Configured AppStream 2.0 for streamlined application delivery and management in virtualized WorkSpaces environments. Automated CI/CD Pipelines in AWS environments using Jenkins, AWS CodePipeline, and GitHub Actions to streamline application deployments, improving efficiency and reducing errors.
* Developed branching strategies for application teams to accommodate their needs, ensuring smooth development workflows and consistent code management.
* Performed manual builds and deployments, supported deployment activities, and coordinated with development teams for successful release sign-offs.
* Configured and managed CI/CD tools, including Jenkins, GitLab, and Cucumber, for integration and test (I&T) environments, ensuring consistent deployment processes.
* Containerized applications using Docker, created Dockerfiles, and managed container images in a private repository for efficient and scalable deployment.
* Enforced security and compliance by configuring AWS IAM policies, Multi-factor Authentication (MFA) with AWS SSO, Conditional Access using AWS IAM Identity Center, and AWS Security Hub for virtual desktop environments.
* Followed FedRAMP FISMA High and Medium compliance requirements by building AWS Config rules, AWS Organizations policies, and aligning with CIS and NIST standards in AWS GovCloud.
* AWS EventBridge, Amazon SNS, and AWS Lambda were used with Event-Driven Architecture to trigger functions and automate workflows.
* Created Hub-and-Spoke architectures in AWS using VPC Peering, AWS Transit Gateway, and wrote Terraform modules from scratch, deploying these architectures using AWS CodePipeline.
* Tested post-deployments using Terratest and conducted linting and other security testing on the infrastructure code
* Defined security standards using AWS Shield, AWS WAF, VPC Security Groups, Network ACLs, Route Tables, and AWS API Gateway.
* Worked with security teams at Federal departments to implement application and infrastructure security using AWS Identity and Access Management (IAM), AWS KMS, and AWS Secrets Manager.
* Automate Deployment using configuration Management tool like puppet to provision amazon AWS Instances to enable continuous Deployments.
* Involved in maintaining the user accounts (IAM), RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS and SNS services in AWS cloud.
* Worked on Autoscaling, Cloudwatch(monitoring), AWS Elastic Beanstalk(app deployments), Amazon S3(storage) and Amazon EBS(persistent disk storage).
* Create modules using cdktf to create terraform artifacts and push to Jfrog artifactory.
* In cdktf, created projects and dealt with classes, constructors, packages and dependencies.
* Created EKS clusters using Terraform and deployed applications with Helm Charts, ArgoCD and Istio Service Mesh, observability setup with Prometheous and Grafana, and integration with Cloudwatch.
* Blue Green deployments for applications and setup of Ingress Controllers and Application Load Balancers for apps. Worked on application release management by controlling traffic using the service mesh.
* Provisioned EKS cluster with CDK high level constructs, synthesized terraform config with cdktf synth, then tested and validated using cdktf diff and deployed using cdktf deploy.

**AWS (Employee at Amazon)**

AWS Global Engineering - Solutions Architect July 2020 – Mar 2024

* Led the design and implementation of AWS cloud solutions for customers.
* Developed technical architecture designs that meet customer requirements while considering security best practices and cost optimization.
* Designed and deployed FedRAMP High-compliant multi-account AWS GovCloud architecture using AWS Organizations and Control Tower.
* Automated the creation of secure VPCs and network segmentation in AWS GovCloud using CloudFormation and Terraform, enforcing strict access control policies.
* Implemented AWS IAM with MFA and AWS SSO for FISMA High-compliant identity and access management across multiple AWS GovCloud environments.
* Deployed and configured AWS Security Hub, GuardDuty, and Config to ensure continuous monitoring and compliance with FedRAMP and FISMA High standards.
* AWS EKS Kubernetes Clusters with ArgoCD or Flux, Istio, Helm, Prometheus, Ansible, Terraform and CI/CD automation.
* Built event-driven architectures using AWS EventBridge and AWS Lambda to automate operational workflows for secure government workloads.
* Automated CI/CD Pipelines in AWS environments using Jenkins, AWS CodePipeline, and GitHub Actions to streamline application deployments, improving efficiency and reducing errors.
* Developed branching strategies for application teams to accommodate their needs, ensuring smooth development workflows and consistent code management.
* Performed manual builds and deployments, supported deployment activities, and coordinated with development teams for successful release sign-offs.
* Configured and managed CI/CD tools, including Jenkins, GitLab, and Cucumber, for integration and test (I&T) environments, ensuring consistent deployment processes.
* Containerized applications using Docker, created Dockerfiles, and managed container images in a private repository for efficient and scalable deployment.
* Used AWS Transit Gateway and Direct Connect to securely connect on-premises Federal data centers with AWS GovCloud environments.
* Integrated AWS KMS and S3 server-side encryption to safeguard sensitive data in alignment with FedRAMP and FISMA High encryption standards.
* Develop Workshops and Platform Solution Guidance for AWS websites that are used by millions of customers.
* Develop EKS Platform Engineering documents and help customers get Kubernetes adoptions and productionizing Kubernetes Microservices Environments on AWS Cloud.
* Work solution engineering on API Gateway, Lambda, IAM, S3, EKS, CloudFront OAIs, Direct Connect, VPC – Trusted vs Untrusted, CloudWatch/CloudTrail/Monitoring, Logging capabilities – ELK, Disaster Recovery, Terraform and Terraform Enterprise.
* Work on DevOps pipelines, Helm Charts, Kubectl, Flux & ArgoCD GitOps to deploy applications on EKS.
* Work on Boto3 for all AWS services to engineer solutions and publish code in AWS Github repository
* Define AWS architecture for implementing a completely cloud-based big data solution using EMR S3 Lambda and Redshift.
* Provided deep expertise on core AWS services such as EC2, VPCs, S3 storage, RDS database management systems (DB), IAM user/role management, CloudFront content delivery network (CDN), Elastic Load Balancing (ELB) load balancers, Route 53 DNS service etc., to ensure optimal use of these services by customers.
* Migrated legacy applications to AWS ECS and EKS clusters, improving scalability and reducing operational overhead.
* Developed automation scripts using AWS SDKs and CLI to streamline provisioning and configuration management processes.
* Implemented monitoring and logging solutions using CloudWatch and ELK stack, enabling real-time visibility and proactive issue resolution.
* Collaborated with DevOps teams to implement infrastructure as code practices using tools like Terraform and Ansible.
* Implemented AWS IAM policies, roles, and permissions to enforce granular access control and maintain data security.
* Assist with configuration of Cloud Compute systems using OpenStack on Ubuntu, collaboration using Orchestration with Keystone, Kubernetes and other functions within Open Stack.
* Responsible for Configuring Kafka Consumer and Producer metrics to visualize the Kafka System performance and monitoring
* Worked for 5 scrum teams (Java, AEM, Jenkins, Ant, Maven, SVN, git, Agile methodology, cucumber scripts, sonar, XL Deploy and XL Release, SharePoint, CI/CD automation from scratch, Docker.
* Estimating AWS costs and identifying cost control mechanisms
* Designing and deploying dynamically scalable, highly available, fault tolerant, and reliable applications on AWS
* Selecting appropriate AWS services to design and deploy an application based on given requirements
* Migrating complex, multi-tier applications on AWS
* Designing and deploying enterprise-wide scalable operations on AWS
* Deploying, managing, and operating scalable, highly available, and fault tolerant systems on AWS
* Migrating an existing on-premises application to AWS.
* cdk deploy, cdk synth, cdk diff on AWS resource deployments.
* Worked on AWS CDK TypeScript (CDKTF), AWS CDK Construct Library and AWS CDK Command Line Interface (AWS CDK CLI) experience
* Worked on AWS CDK with AWS CloudFormation to deploy and provision your infrastructure on AWS.
* Worked on AWS CDK GitHub repository aws-cdk Worked on CDK for Terraform (CDKtf) and CDK for Kubernetes (CDK8s)

**IronRim** Oct 2018 – June 2020

AWS DevOps Architect

Clients: Geico, Hersheys, Medtronic, AT&T, State of Ohio. McGrawHill, GrupoBimbo,

Responsibilities:

* Proficient in AWS security practices like IAM Roles, encryption, certificates, firewalls etc
* Proficient in AWS Infrastructure as Code (IaC) technologies - CloudFormation or AWS CDK
* Intermediate in experience in containerization (Docker)
* Designing and deploying scalable, highly available, and fault tolerant systems on AWS
* Lift and shift of an existing on-premises application to AWS
* Ingress and egress of data to and from AWS
* Led a team of database administrators for Mongo Atlas and SQL in implementing a disaster recovery plan, reducing data recovery time by 50%.
* AWS EKS Kubernetes Clusters with ArgoCD or Flux, Istio, Helm, Prometheus, Ansible, Terraform and CI/CD automation.
* Designed and deployed FedRAMP High-compliant multi-account AWS GovCloud architecture using AWS Organizations and Control Tower.
* Installed, configured, and managed Kubernetes clusters to support CI/CD deployment pipelines, ensuring high availability and scalability of the application environments.
* Leveraged Terraform and CloudFormation for Infrastructure as Code (IaaS) solutions, automating infrastructure provisioning in AWS.
* Utilized Ansible for configuration management and automated deployment tasks across multiple environments.
* Integrated automated testing tools into CI/CD pipelines to enable continuous testing and improve code quality.
* Collaborated across teams using Jira, GitHub, and Slack for tracking tasks, code reviews, and ensuring smooth communication during project lifecycles.
* Worked with system integration, using APIs and SDKs for system scripting, networking, and unit testing, enabling seamless deployment and integration workflows.
* Developed with Java and Spring Framework, building and maintaining Spring Boot applications and performing builds using Maven scripts in complex multi-environment setups.
* Automated the creation of secure VPCs and network segmentation in AWS GovCloud using CloudFormation and Terraform, enforcing strict access control policies.
* Implemented AWS IAM with MFA and AWS SSO for FISMA High-compliant identity and access management across multiple AWS GovCloud environments.
* Deployed and configured AWS Security Hub, GuardDuty, and Config to ensure continuous monitoring and compliance with FedRAMP and FISMA High standards.
* Built event-driven architectures using AWS EventBridge and AWS Lambda to automate operational workflows for secure government workloads.
* Used AWS Transit Gateway and Direct Connect to securely connect on-premises Federal data centers with AWS GovCloud environments.
* Integrated AWS KMS and S3 server-side encryption to safeguard sensitive data in alignment with FedRAMP and FISMA High encryption standards.
* Selecting appropriate AWS services to design and deploy an application based on given requirements
* Migrating complex, multi-tier applications on AWS
* Designing and deploying enterprise-wide scalable operations on AWS
* Deploying, managing, and operating scalable, highly available, and fault tolerant systems on AWS
* Migrating an existing on-premises application to AWS
* Implementing and controlling the flow of data to and from AWS
* Selecting the appropriate AWS service based on compute, data, or security requirements
* Identifying appropriate use of AWS operational best practices
* Estimating AWS usage costs and identifying operational cost control mechanism.
* Used tools like Visual Studio Community Edition, Visual Studio Code, Power Shell ISE and SQL Server Management Studio.
* Worked with Agile methodology in XL Deploy and XL Release, CI/CD automation from scratch, Docker, Openshift)
* Worked for 5 scrum teams (Java, AEM, Jenkins, Ant, Maven, SVN, git, Agile methodology, cucumber scripts, sonar, XL Deploy and XL Release, SharePoint, CI/CD automation from scratch, Docker.
* Designed and implemented serverless architecture on AWS using Lambda and API Gateway, resulting in reduced infrastructure costs by 50%.
* Migrated legacy applications to AWS ECS and EKS clusters, improving scalability and reducing operational overhead.
* Worked on CDKTF packages, scripts and dependencies in package.json for synth, build, test, upgrade, linting and deploying of the AWS resources.
* Using CDKTF and Gitlab yaml pipeline deployed resources in AWS. Used exporting of the classes in CDKTF Typescript and used AWS provider provided TFModuleVariable and TFModuleOutput within the .ts files.
* Setup JSII for CDKTF and created tests with .test.ts and wrote expect statements with toHaveResource to validate post deployment under Describe Test function.
* Wrote tests with SynthScope and .toHaveResourceWithProperties conditions to check if EKS was deployed with proper configuration as needed standard.
* Used Karpenter for HPA with Helm Chart and Terraform deployment to manage performance and cost of the Workloads on the EKS clusters and provisioned Node Groups accordingly.
* Developed automation scripts using AWS SDKs and CLI to streamline provisioning and configuration management processes.
* Implemented monitoring and logging solutions using CloudWatch and ELK stack, enabling real-time visibility and proactive issue resolution.
* Collaborated with DevOps teams to implement infrastructure as code practices using tools like Terraform and Ansible.
* Implemented highly available and fault-tolerant architectures on AWS using services like EC2 Auto Scaling, Elastic Load Balancing, and Route 53.
* Designed and deployed containerized applications using AWS ECS clusters, improving scalability and resource utilization.
* Automated infrastructure provisioning and configuration management using AWS CloudFormation and Ansible, reducing manual efforts by 70%.
* Optimized application performance by implementing caching mechanisms using AWS ElastiCache resulting in a 40% reduction in response time.
* Responsible for managing infrastructure provisioning (S3, ELB, EC2, RDS, Route 53, IAM, security groups - CIDR's, VCP, NAT) and deployment via SCALR and EC2 Installs with CentOS, Ubuntu and RHEL 6 and Scientific Linux.
* Automate Deployment using configuration Management tool like puppet to provision amazon AWS Instances to enable continuous Deployments.
* Involved in maintaining the user accounts (IAM), RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS and SNS services in AWS cloud.
* Worked on Autoscaling, Cloudwatch(monitoring), AWS Elastic Beanstalk(app deployments), Amazon S3(storage) and Amazon EBS(persistent disk storage).
* Create Cluster Roles for Cluster, network, namespace, user, service, application, ingress roles for Admin, Management, Read Only
* Worked on Azure Policies to enforce PCIDSS compliance requirements.
* Created Istio Policies, Service Mesh and integrated with Azure Policies for Compliance.

# JP Morgan Chase & Co. March 2010 – October 2018

# GTI Engineering – Solutions Engineering L3 Lead

Responsibilities:

* Responsible for managing infrastructure provisioning (S3, ELB, EC2, RDS, Route 53, IAM, security groups - CIDR's, VCP, NAT) and deployment via SCALR and EC2 Installs with CentOS, Ubuntu and RHEL 6 and Scientific Linux.
* Automate Deployment using configuration Management tool like puppet to provision amazon AWS Instances to enable continuous Deployments.
* Involved in maintaining the user accounts (IAM), RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS and SNS services in AWS cloud.
* Created Network Policy with a default deny all, allow kube-dns/kube-system egress on port 53 TCP/UDP, allow port 443 only ingress, optional SQL Server port 1433 TCP egress yaml.
* Create Cluster Roles for Cluster, network, namespace, user, service, application, ingress roles for Admin, Management, Read OnlyExtensive experience migrating .NET applications into Azure App Service with Azure SQL Server database, setting up Web Jobs, Powershell scripts, and Azure DevOps integration.
* Create Windows and Linux VMs on all 6 different categories on instance types.
* Led the design and implementation of AWS cloud solutions for customers that
* Installed, configured, and managed Kubernetes clusters to support CI/CD deployment pipelines, ensuring high availability and scalability of the application environments.
* Leveraged Terraform and CloudFormation for Infrastructure as Code (IaaS) solutions, automating infrastructure provisioning in AWS.
* Utilized Ansible for configuration management and automated deployment tasks across multiple environments.
* Integrated automated testing tools into CI/CD pipelines to enable continuous testing and improve code quality.
* Collaborated across teams using Jira, GitHub, and Slack for tracking tasks, code reviews, and ensuring smooth communication during project lifecycles.
* Worked with system integration, using APIs and SDKs for system scripting, networking, and unit testing, enabling seamless deployment and integration workflows.
* Developed technical architecture designs that meet customer requirements while considering security best practices and cost optimization.
* Provided deep expertise on core AWS services such as EC2, VPCs, S3 storage, RDS database management systems (DB), IAM user/role management, CloudFront content delivery network (CDN), Elastic Load Balancing (ELB) load balancers, Route 53 DNS service etc., to ensure optimal use of these services by customers.
* API Gateway, Lambda, IAM, S3, EKS, CloudFront OAIs, Direct Connect, VPC – Trusted vs Untrusted, CloudWatch/CloudTrail/Monitoring, Logging capabilities – ELK, Disaster Recovery, Terraform and Terraform Enterprise
* Define AWS architecture for implementing a completely big data solution using EMR S3 Lambda and Redshift.
* Assisted with solution deployment planning activities including sizing workloads based on business requirements and available infrastructure resources.
* Participated in proof-of-concept engagements with customers to evaluate new technologies or approaches before they are deployed into production environments.
* Creation of PR Pipelines across all pipelines with throughly tested results so PRs can be approved based on successfully PR pipeline results
* Experience with provisioning up EC2 and EBS instances for support specific application patterns such as External Web Apps, Internal Web Apps, Database and Data Warehouse Apps.
* Experience with provisioning required IAM roles and permissions and required Security Groups for different application tiers to communicate on the AWS platform.
* Deep expertise in the AWS components & APIs o Expert working knowledge of Operating Systems (Windows and Linux). o Advanced knowledge of databases (SQL Server and MySQL) + Advanced knowledge of relevant web services, mail, backup, and application monitoring
* Provided inputs and provisioned ELB’s where auto scaling of EC2 instances is required.
* Identifying appropriate use of AWS architectural best practices
* Estimating AWS costs and identifying cost control mechanisms
* Design Cloud/AWS migration and transformation architecture for several JPMC applications.
* Experience with laying strategy for infrastructure setup on AWS. Worked on setting up VM’s, Network connectivity and underlying infrastructure components such as VPC’s and Subnets.
* Experience with provisioning up EC2 and EBS instances for support specific application patterns such as External Web Apps, Internal Web Apps, Database and Data Warehouse Apps.
* Experience with provisioning required IAM roles and permissions and required Security Groups for different application tiers to communicate on the AWS platform.
* Provided inputs and provisioned ELB’s where auto scaling of EC2 instances is required.
* Identified and suggested application patterns which are suitable for Serverless architecture and provided input on how to move to services..
* Setting up ECS service with underlying Docker instances.
* Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation. It includes Amazon Web Services (AWS), Ant, Maven, Jenkins, Chef, Bitbucket, GitHub, Build Forge, CVS.
* Worked on CI/CD tool Jenkins to automate the build process from version control tool into testing and production environment.
* Worked on CI build agents, on Docker and Redhat Linux platform.
* Maintained SVN & Bitbucket repositories for DevOps environment: automation code and configuration
* Automated deployment of all resources related to my work as the Lead Python Developer.
* Developing Docker images to support Development and Testing Teams and their pipelines.
* Working closely with Architecture, Development, Test, Security and IT Services teams.
* Developing scripts for build, deployment, maintenance Jenkins, Docker, Maven, Python and Bash.
* Installing, configuring and maintaining Continuous Integration, Automation and Configuration Management.
* Design and develop continuous deployment pipeline, integrating Bitbucket, Git, Jenkins, across geographically separated hosting zones in AWS.
* EMC Storage experience in Administration/Design and Implementation on EMC Storage arrays, Symmetrix, Clariion, Celerra or Centerra.
* Experience in capacity planning, Fibre Channel, Zoning, fabric topologies, volume and file systems management, clustering, replication and mirroring, backup/archive and recovery solutions, high availability, storage consolidation/migration, performance and tuning.
* Experience in SRDF and timefinder configuration in EMC storage environment.
* Experience planning, installing and administering of SAN/NAS environments with large enterprise storage systems, including Hitachi HNAS, EMC Isilon, IBM V7000. SAN fabrics, SAN Volume Controller (SVC), McData and Brocade switching technology.
* Experience in Designing, Configuring and troubleshooting Fabric Environment constituting Brocade/ McData/ Connectrix/ Cisco switches.
* Responsible for Data ONTAP 7-mode operations, including setting up Vfilers, Vfiler DR, Snapmirror, Snapvault, CLI, SnapManager, SMVI backups of VM’s, SnapDrive.
* Responsible for Clustered Data ONTAP operations, including creating vservers, volumes, qtrees, setting up namespaces, setting up and implementing Export Policies and netgroups (NFS), setting up snapmirrors to DR site, and troubleshooting and escalating issues to NetApp when necessary.
* Proficient in the use of DFM/Operations Manager – configured to monitor filers worldwide and email alerts when thresholds are reached (% full aggrs/volumes/qtrees, loss of connectivity, performance highs/lows, latency).
* Data Migration using NDMP, Snapmirror and Qtree Snapmirror across same and different domains within the Enterprise, as well as Virtual Storage Console in the migration of VMs.
* Responsible for performing Data ONTAP upgrades (non disruptive).
* Experience working on storage subsystem I/O, NIC, and HBA, RAID, networking technologies including protocols, NFS, CIFS, TCP/IP, routing and QoS of LAN and WAN
* Lead and assist on setup and removal of SAV for NAS and Virus cleanup. o Implement NFS, CIFS and Security on filers across the Enterprise.
* Implement Deduplication, setup snapshots.
* Setup and Implementation of DFS to access CIFS shares for all supported filers.
* Design, planned and implemented solutions: Unix (Solaris, HP-UX, AIX, RHEL, SuSEL) Severs (Sun
* Sparc/X86, HP RISC/BL/DL, IBM RS/6000, Dell) Consolidation, Storage (EMC) Consolidation, SAN (Brocade, Cisco, Qlogic) consolidation, Backup Solution, Data Center Consolidation

# American Solutions Inc., Newark DE. January 2008 – Feb 2010

# Systems Administrator/SAN Admin

Responsibilities:

* Developed, tested, documented and implemented quality infrastructure within targeted due dates. Resolve complex infrastructure issues with no guidance.
* Responsible for over 150 controllers around the world and over 5 PB of data.
* EMC Storage experience in Administration/Design and Implementation on EMC Storage arrays, Symmetrix, Clariion, Celerra or Centerra.
* Experience in capacity planning, Fibre Channel, Zoning, fabric topologies, volume and file systems management, clustering, replication and mirroring, backup/archive and recovery solutions, high availability, storage consolidation/migration, performance and tuning.
* Experience in SRDF and timefinder configuration in EMC storage environment.
* Experience planning, installing and administering of SAN/NAS environments with large enterprise storage systems, including Hitachi HNAS, EMC Isilon, IBM V7000. SAN fabrics, SAN Volume Controller (SVC), McData and Brocade switching technology.
* Experience in Designing, Configuring and troubleshooting Fabric Environment constituting Brocade/ McData/ Connectrix/ Cisco switches.
* Responsible for Data ONTAP 7-mode operations, including setting up Vfilers, Vfiler DR, Snapmirror, Snapvault, CLI, SnapManager, SMVI backups of VM’s, SnapDrive.

EDUCATIONAL BACKGROUND

* MS - Master of Science in Telecommunication – State University of New York (SUNY), Utica NY, USA.
* BE - Bachelor of Engineering in Electronics and Telecommunications – Nagpur University, Nagpur, India.