**A blue and white sign

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| **PROFESSIONAL SUMMARY** |

# *A Technocrat professional around 7+ years experience in various roles as Cloud DevOps engineer with top-notch experience in Automating, Configuring and Deploying instances on Cloud environments and Data Centers, CI/CD tools namely Jenkins, Software Configuration Management (SCM) which encompasses experience in Build/Release, Linux/Windows Administration and in DevOps configuration management and infrastructure as a code tools namely Chef, Ansible, puppet, and Terraform. Clear understanding of Agile, Scrum and Waterfall Methodologies.*

# Experienced with operations of cloud services PaaS/SaaS/IaaS in designing and automate the infrastructures and deploying in cloud platforms such as Azure, AWS, GCP.

# Proficient as Cloud Administrator, involved in configuration for Traffic manager, Data factory, Event hub, function apps, V-net integration, HCM, Application gateway, App Insights, Active directory, Azure Key Vault, Encryption and Security on Azure using ARM templates and PowerShell script.

# Experienced in migrating on-premises, .Net apps, DevOps platform to Azure CI/CD processes by utilizing ARM templates, Azure DevOps, Azure CLI, App services to build Repos, Pipelines, Web Apps, and monitoring applications using Application Insights.

# Hands on experience in Azure cloud worked on Azure web application, App services, Azure SQL

# Database, Azure Blob storage, Azure Functions, Virtual machines, Fabric controller, Azure AD, Azure Data Factory, Azure Service Bus and notification hub. Proficient in using Azure service fabric to package, deploy, manage scalable and reliable microservices and containers.

# Extensively used Terraform to a reliable version and created infrastructure on Azure. Also created resources,

# using Azure Terraform modules, and automated infrastructure management. Used Terraform to map more

# complex dependencies and identify the network issues.

# Experienced in configuring JSON/YAML based AWS CloudFormation Templates to build and create multiple AWS services for Continuous deployment of applications in prod environment as Docker containers and Kubernetes pods and nodes.

# Proficient in several Terraform modules for infrastructure management, terraform scripts to setup AWS

# resources EKS, VPC, EC2, AMI, Images, Redshift cluster, ELB, and automate the deployment & infrastructure.

# Expertise in deploying microservices, application development, and upgradation using Azure services such as Azure DevOps, Kubernetes Service (AKS), Container Services, MySQL DB, and Grafana, Azure pipelines, RBAC, and monitoring clusters.

# Developed microservices on boarding tools leveraging Python and Jenkins allowing for easy creation,

# maintenance of build jobs and deploy services in Kubernetes.

# Experience in Google Kubernetes Engine GKE with Spinnaker for continuous delivery of applications to engine in different stages, Google App services for deploying microservices in different environment, GCE instances, assigning IAM for projects, Cloud Shell CLI.

# Implemented the Docker for wrapping up the final code and setting up development and testing environment using Docker Hub, Docker Swarm and Docker Container Network.

# Proficient in configuration management tool Ansible and Ansible Tower where I worked on Playbooks, Inventory files to setup servers, deploying software, orchestrate fault-tolerance updates and delivery incorporating Ansible Tower for access control and generate automated workflows.

# Experienced in Bluegreen Deployment and Canary Deployment, Octopus deployment in the production.

# Managed Kubernetes cluster in the rollback and rollouts methods in the deployment strategies. Integrated Istio and helm packages with Kubernetes clusters for the service mesh.

# Managed flux, Helm charts, Grafana, Tekton, Ingress and Cluster API components in Kubernetes.

# Deployed microservices based applications on Azure Kubernetes by using Azure Kubernetes service (AKS),

# Ingress API Gateway, MySQL, SQL Databases and Cosmo DB for stateless storage of external data, and setup

# reverse proxy Nginx servers and encrypting with SSL and TLS Skills.

# Experience in monitoring tools like Splunk, Nagios, OMS.

# Configured Chef servers, worker nodes & bootstrapping Chef nodes for configuration management also

# proficient in creating Chef Templates, Recipes, Cookbooks, Resources, Knife, Roles, Attributes & Data bags.

# Hands on experience in using JIRA as bug tracking system. Configured various workflows, customizations and

# plug-ins for JIRA bug/issue tracker and integration of Jenkins with Jira/GitHub to track change requests, bug

# fixes manage tickets for corresponding Sprints.

# Experience in scripting languages like Python, Ruby, Perl, Shell, Bash and familiar with storage, Networking,

# PowerShell commands. Experienced in creating automated PowerShell Scripts for web app deployment.

# Expertise in file system concepts like LVM, SVM, VxVM. Creating new file systems, increasing and decreasing file systems, mounting file systems, unmounting file systems and troubleshooting Disk space issues. Involved in System Analysis and Performance Monitoring of Red Hat Linux.

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| **TECHNICAL SKILLS** |

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| **Title** | **Tools Used** |
| **Cloud Environments** | Microsoft Azure, Amazon Web Services, Open Stack |
| **Configuration Management** | Ansible, Chef, Puppet |
| **Build Tools** | ANT, Maven, Gradle |
| **CI/CD Tools** | Jenkins, Bamboo, Spinnaker, Hudson |
| **Monitoring Tools** | Application Insights, Kibana (ELK), Cloud watch, Nagios, Splunk, Azure  Log Analytics (OMS), Grafana. |
| **Container Tools** | Docker, Kubernetes |
| **Scripting/programming Languages** | Python, Shell (PowerShell/Bash), Ruby, YAML, JSON, Perl, Groovy, JavaScript, C,PHP, Java/ J2EE, .Net, Spring Co.re, Spring MVC, REST Web services |
| **Version Control Tools** | GIT, SVN. Subversion, Bit Bucket, Git Lab |
| **Operating Systems** | Windows, UNIX, RHEL, CentOS, Ubuntu, & SOLARIS |
| **Databases** | SQL Server, SQL, MYSQL, Oracle, NoSQL, MongoDB, Dynamo DB, Cassandra |
| **Networking** | DNS, DHCP, SMTP, HTTP, SNMP |
| **Testing/Ticketing Tools** | Jira, Selenium |
| **Web/Application Servers** | Apache Tomcat, WebLogic, Oracle Application Server, Apache HTTP |
| **Virtualization Tools** | Oracle Virtual Box, VMWare, vSphere, Vagrant, Oracle Virtual Box |

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| **WORK EXPERIENCE** |

CLIENT: Crowe LLP **- (** [South Bend, IN](https://www.google.com/search?rlz=1C1CHBF_enUS906US906&q=South+Bend,+Indiana&stick=H4sIAAAAAAAAAOPgE-LSz9U3MMkzKCssUuIAsYsLjcq0VLOTrfTzi9IT8zKrEksy8_NQOFZp-aV5Kakpi1iFg_NLSzIUnFLzUnQUPPNSMhPzEnewMgIAS5wdYFgAAAA&sa=X&sqi=2&ved=2ahUKEwjgv9m1mrz1AhWqGKYKHbABA6oQmxMoAXoECDcQAw)**)**

**2021 May - Present**

Infrastructure Automation Specialist

**Roles and Responsibilities:**

# Designed, configured, and deployed Azure Resource Manager (ARM) templates for a multiple application utilizing

# the Azure stack including Compute, Web App, function app, Blobs, Data Factory, Resource Groups, HDInsight

# Clusters, Azure Cosmos DB.

* Experience in managing **Azure Data Lakes (ADLS)** and **Data Lake** Analytics and an understanding of how to

integrate with other **Azure** Services. Knowledge of USQL and how it can be used for data transformation as part of a cloud data integration strategy.

* Migrated the Data using **Azure database Migration Service** (AMS). Experience with cloud, hybrid, and IT-as-a-Service models including implementation and migration (Azure). Integrate **on-premises** **Windows AD** with **Azure AD**, configure multi-factor authentication (MFA) and federated **single sign-on (SSO**).
* Responsible for creating and managing **Azure AD tenants,** manage users and groups, and configure application integration with **Azure AD.**
* Integrated existing API to **Azure API** management to get all the attributes like security, usage plans, throttling, analytics, monitoring, and alerts.
* Created **Azure** **Automation Assets, Graphical runbook, PowerShell runbook** that will automate specific tasks, deployed **Azure AD Connect**, configuring **Active Directory Federation Service** (AD FS) authentication flow, **ADFS** installation using **Azure AD Connect**, and involved in administrative tasks that include Build, Design, Deploy of Azure environment.
* Established a private connection between **Azure Key Vault** and other **Azure services** by using **Azure Private Link.** Experience in moving all traffic to the service can be routed through the **private endpoint.**
* Closely collaborate with security architects in developing cloud security frameworks for the enterprise and **Security Patching** on the **Azure IAAS VMs** through the **Shavlik Patching Tool**.
* Worked on **ingress** controller that provides reverse proxy, configurable traffic routing, and TLS termination for **Kubernetes** services. **Kubernetes** **Ingress** resources are used to configure the ingress rules and routes for individual **Kubernetes** services.
* Created and troubleshooted **Kubernetes** YAML files to deploy **SCM CI/CD** applications automatically and Idempotently to reduce time costs and used **Kubernetes** to deploy, load balance, scale and manage **docker containers** with multiple name-spaced versions
* Using **Azure Kubernetes Service (AKS)** to deploy a managed **Kubernetes** cluster in **Azure** and built an **AKS** cluster in the **Azure portal** using template-driven deployment options such as **Terraform** and **Azure Resource Manager templates**.
* Working on **Jira** to **Azure DevOps** Migration along with Experience in configuring and using PaaS offerings like **Azure Database services**, **Azure Kubernetes, Azure Containers, DNS, Application gateway rerouting, Application Insights, Azure Container Monitors**.
* Automated various infrastructure activities like Continuous Deployment using **Ansible playbooks** and has Integrated **Ansible** with **VSTS** on **AZURE.**
* Used **Azure Kubernetes service** to deploy a managed **Kubernetes** cluster in **Azure** and created an **AKS** cluster in the Azure portal, with the **Azure** CLI, also used template driven deployment options such as Resource Manager templates and **Terraform.**
* Managed the security and compliance of all the users of **Ansible** and taken care of the application deployment.
* Introduced **DevSecOps** specific policies and procedures that enabled organizations to keep up with the pace of application development in a DevOps environment.
* Responsible for User Management, Plugin Management and End-to-End automation of Build and Deployment process using **Jenkins.**
* Hands on experience with Provisioning Service Fabric Clusters and **Application Gateway** using **ARM, PowerShell** and **Azure Portal** which is a distributed systems platform to deploy and manage Microservices with high availability.
* Defined and implemented the **Git** branching strategies, GitIgnore, code reviewers, code approvers while merging the code to master branch and also with respect to the environment when using the scripts that support **Ansible** scripts, Python scripts.
* Worked on authorization and authentication in Microsoft hybrid environments and had experience working with **Azure B2B** and **Azure B2C** as well as Security aspects such as Identity Protection Sentinel and Cloud App Security.
* Worked on migrating applications from **helm2** to **helm3** also set up flux deployments for continuous delivery. Set up **Docker-in-Docker (DIND)** as a **Daemonset** to use underlying host daemon to provision **Kubernetes** pods as **Jenkins** slaves and use the dynamic pods to run **Jenkins** jobs. This provides way to utilize docker-ce on an old docker daemon.
* Worked on Jenkins instance which is deployed via **Helm** and **Tiller** and a Helm Chart to a Kubernetes Cluster running inside Minikube via a VirtualBox VM.
* Used **Terraform** to reliably version and create infrastructure on **data**. Created resources, using Azure **Terraform** modules, and automated infrastructure management.
* Worked on **Lens** from the scratch and monitored multiple **AKS** clusters as well as triggered few deployments using this.
* Provisioned the high availability of Azure VMs using Terraform and **ARM** templates, wrote new plugins to support new functionality in **Terraform** and involved in using terraform to migrate legacy and monolithic systems to **AZURE**.
* Increased Docker container reliability by redesigning **Docker** files to use multi-stage builds and stateless

processes bringing uptime from 99.5% to over 99.95%.

CLIENT: Humana INC **- (Louisville, KY)**

**2019 August – 2021 April**

Cloud Enterprise DevOps Engineer

**Roles and Responsibilities:**

# Working as cloud Engineer, involved in configuration for Web apps/Function apps, V-net integration, HCM, Application gateway, App Insights, Active directory, Azure Key Vault, Encryption and Security on Azure.

# Migrated servers like relational databases (SQL) and websites to Microsoft Azure cloud and deploying applications on multiple web servers and maintained load balancing, high availability and synchronized on premises Active Directory users to office 365 with ADCONNECT.

# Deployed ASP.NET web Application in Azure using Web App service, connected it to Azure SQL Database and used VSTS to provide CI/CD pipeline and created Azure Active Directory (AD) tenants and managed to restrict the access to VSTS (Virtual Studio Team Service).

* Worked on **azure log analytic workspace** where bulk logs are available once the **Kubernetes** is enabled, then used **logic app** to filter the required logs and used event hub to transfer the logs to **Splunk.**
* Created and configured HTTP Triggers in the **Azure Functions** with **Application insights** for monitoring and performing load testing on the applications using the **VSTS** and used **Python API** for uploading all the agent logs into **Azure blob storage**.
* Deployed microservices based applications on **Azure Kubernetes** by using **Azure Kubernetes** service (**AKS), Ingress API Gateway, MySQL, SQL Databases** and **Cosmo DB** for stateless storage of external data, and setup reverse proxy Nginx servers and encrypting with **SSL** and **TLS**
* Working on Build automation handling large numbers of diverse systems with configuration management and automation systems like **Azure DevOps (VSTS,) Docker, Jenkins, Terraform.**
* Integrated Jenkins with Docker container using **Cloud Bees** Docker pipeline plugin to drive all microservices builds out to the Docker Registry and then deployed to **Kubernetes**.
* Integrated Selenium automation regression test suite in **Jenkins** build pipeline. Developed Continuous Deployment pipeline by integrating Jenkins with **Terraform**, Developed Modules in **Terraform** to trigger the Infrastructure on the **Azure.**
* Deployed and optimized two tier web applications to **Azure DevOps CI/CD** to focus on development by using services such as Repos to commit codes, Test Plans to unit test, deploy App Service, **Azure Application Insight** collects health performance and usage data of the process, stored **artifacts** in **blob storages**.
* Deployed and optimized two tier **.NET**web application to **Azure DevOps** to focus on development by using services such as **Repos** to commit codes, **Test Plans** to trigger application and unit test, deployed artifacts to **App Service**, **Azure Application Insight** collects health performance and usage data of the process.
* Created **Azure** infrastructure using **ARM templates, Azure pipelines** to build, test, and release, and managed **Azure Container Registry** to store **private Docker images**, which are deployed. **Grafana Monitor** to collect metrics and logs. Configured Monitor to track performance and maintain security, and used **Grafana** tool to collect metrics, queries.
* Designed and implemented Continuous Integration (CI) using tools **Azure DevOps** over multiple environments to facilitate an **agile** development process which is automated and repeatable, enabling teams to safely deploy code many times a day while ensuring **Azure Kubernetes Services (AKS)** are supported.
* Managed **Kubernetes charts** using **Helm**, and built reproducible **Kubernetes** applications builds, managed **Kubernetes manifest files** and managed Helm packages releases.
* Worked on **Tekton** pipeline which aims to provide a set of components used to create a full-fledged cloud-native CI/CD system on top of **Kubernetes** and also managed **Flux** to monitor all configured repositories, detect new configuration changes, trigger deployments and Updates the desired running configuration based on those changes inside the **Kubernetes.**
* Worked on **Ansible** setup, managing hosts file, Using **Yaml**, writing various playbooks, roles and manage custom modules with **Ansible**. And managed sensitive information in code using **Ansible vault.**
* Implemented centralized logging tool **Nagios** for monitoring our Servers**.**
* Implemented unit testing framework for **IaC** code libraries that were written in **Terraform** using **Terratest** utility. Deployed **Azure** services using Terraform and implemented tests also using **Golangs.**
* Worked on multiple areas of **Jenkins** like Plugin Management, Securing **Jenkins,** Performance issues, Analytics, Scaling **Jenkins,** integrating Code Analysis and test Phases to complete the CD pipelines within **Jenkins.**
* Implemented **DevSecops** strategy for security auditing, continuous monitoring of the entire infrastructure which facilitates enhanced compliance and eliminates security breaches and vulnerabilities.
* Implemented a **Kubernetes** Container Orchestration solution within **AWS leveraging KOPS**, which allows easy management creation and recovery of **AWS assets.**
* Deployed infrastructure on **AWS** utilizing as **EC2** (**Virtual Servers** **in the Cloud**), **RDS** (Managed **Relational Database Service**), **VPC** and Managed **Network** and **Security, Route 53**, **Direct Connect**, **CloudFormation**, **IAM, AWS S3,** **AWS Ropeworks (Automate operations)**, **Glacier (Storage in the cloud**) and **Cloud Watch Monitoring** Management.
* Configured cluster operations in **AWS Kubernetes (EKS**) to deploy microservices with CI/CD system and used **Kubernetes** cluster to scale up operations of clusters, maintain the cluster services, load balancing, network policies, group **Docker** containers across different platform.
* Used **Docker** and **Vagrant** for managing development environments through creation of Linux virtual containers. Developing **Docker** images to support Development and Testing Teams and their pipelines distributed Jenkins, **Selenium** and **JMeter** images, and Elastic Search, **Kibana** and **Log stash (ELK & EFK).**
* Set up continuous delivery for the **Pods** by running **Jenkins, Docker** **images,** in **Kubernetes**. Developed a pipeline using **Jenkins** Pipeline to automate to push the PODs to the registry, and then deploying it in **Kubernetes**.
* Monitored **AWS** cloud resources and the applications that deployed on **AWS** by creating new alarm, enable notification service using **Cloud Watch**. Log and event forwarding using (**System logs, CloudWatch, CloudTrail, AWS Config**), aggregation to **Splunk.**
* Managed different infrastructure resources, like physical machines, VMs and even **Docker** containers using **Terraform** It supports different Cloud service providers like **AWS** and **Digital Ocean**.

CLIENT: New Wave Technologies, Inc **- (Windsor Mill, MD)**

**2018 January – 2019 July**

Senior Azure Infrastructure Engineer

**Roles and Responsibilities:**

* Managing 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**.
* Configured **Azure Traffic Manager** to build routing for user traffic Infrastructure Migrations Drive Operational efforts to migrate all legacy services to a fully virtualized Infrastructure. Configuring the **Load Balance Sets Azure Load Balancer, Internal Load Balancer** and **Traffic Manager** and worked on **Application Gateway.**
* Created and optimized **Node.js, web app** and deployed by **Jenkins** into **Kubernetes** and **used Azure Container Registry** and automated development by authenticating new codes and deploying into staging or production platforms.
* Experienced in **Bluegreen** Deployment and **Canary** Deployment**, Octopus** Deployment in the production. Managed **Kubernetes** cluster in the rollback and rollouts methods in the deployment strategies. Integrated **Istio** and packages with **Kubernetes** clusters for the **service mesh**.
* Validated deployments in **Kubernetes** by establishing a local development workflow that used **Minikube** and Implemented **Kubernetes** interface by creating **RESTful API's** to read, delete, store and update bucket information on **Kubernetes Console.**
* Virtualized the servers on **Azure** using the **Docker**, create the **Docker** files and version control to achieve Continuous Delivery goal on high scalable environment, used Docker coupled with load-balancing tool **Nginx**.
* Created cloud modules for interacting with **Azure** services which provides the tools to easily create and orchestrate infrastructure on **Azure** using **Ansible Playbooks** and **Roles** and automated cloud-native applications in **Azure** using **Azure** microservices such as **azure functions** and  **.**
* Provisioned the high availability of **Azure VMs** using **Terraform** and **ARM templates**, wrote new plugins to support new functionality in Terraform and involved in using Terraform to migrate legacy and monolithic systems to Azure.
* Written Templates for **Azure Infrastructure** as code using **Terraform** to build staging and production environments. Integrated **Azure Log Analytics** **with Azure VMs** for monitoring the log files, store them and track metrics and used **Terraform** as a tool, Managed different infrastructure resources **Cloud, VMware**, and **Docker** containers.
* Worked on **Azure** Fabric, Microservices, IoT & **Docker** containers in Azure and involved in setting up **Terraform** continuous build integration system. Used **Azure Internal Load Balancer** to provide high availability for **IaaS VMs** & **PaaS** role instances.
* Developed and maintained **Perl/Shell** scripts for build and release tasks. Integrated **Maven** with **Jenkins** for the builds as the Continuous Integration process. Build **Java** code and **.NET** code on to different **Jenkins** servers as per the schedule.
* Integrated **JaCoCo** with **Jenkins** for code coverage analysis in **Java** VM based environments.
* Worked on setting up **Jenkins** as a service inside the **Kubernetes** cluster to reduce the failover downtime to minutes and to automate the **Docker** containers deployment without using configuration management tool.

# Provided POC's to provision the AWS infrastructure and configure using Ansible playbooks which includes checking the health status, installing security patches, monitoring and gathering facts about the ec2-instances, elastic load balancers, S3, auto scaling groups and other AWS resources.

* Worked with **AWS Cloud Formation** templates to create custom sized **VPC, subnets, NAT** to ensure successful deployment of Web applications and database templates. Utilize **AWS CLI** to automate backups of ephemeral data-stores to **S3 buckets, EBS** and create nightly **AMIs** for mission critical production servers as backups. Deployed Elasticsearch with 10 nodes cluster in AWS environment for client applications
* Used **ECS**(Elastic Container Service) to deploy **Amazon EC2** and **AWS Fargate** with Spot and On-Demand instances whenever required and provides high security and reliability.
* Written **Ansible Playbooks** with Python SSH as the Wrapper to Manage Configurations of **Azure** Nodes and Test **Playbooks** on Azure instances using Python SDK and Automated various infrastructure activities like continuous deployment, application server setup, stack monitoring using **Ansible playbooks**.
* Integrated **Ansible** with **Jenkins** to provide Automation, Continuous Integration through Jenkins managed nodes over SSH/Power shell using Ansible. Implemented and designed **Azure** virtual servers by **Ansible** roles to ensure deployment of web applications. Worked with multiple development teams to resolve issues.
* Created required reliable architectures and end-to-end migration plan for migrating Linux/Windows servers along with web applications into **AWS cloud platform** using services as **IPSec tunnel, VPN gateway, Customer Gateway** and **Data Pipeline**.
* Used **Cloud Front** to deliver content from **AWS edge locations** to users, allowing for further reduction of load on front-end servers. Implemented **AWS Code Pipeline** and Created Cloud formation JSON templates in Terraform for infrastructure as code.

CLIENT: Fidelity Investments **- (Boston, MA)**

**2016 October – 2017 December**

Devops Cloud Engineer

**Roles and Responsibilities:**

* Configured **AWS IAM** and **Security Groups** in Public and Private **Subnets** in **VPC** Managed **IAM accounts (**with **MFA**) and **IAM policies** to meet **security audit** & **compliance** requirements and worked as Admin. Policies on the **IAM** **Role** based polices customizing the YAML **CloudFormation** templates.
* Orchestrated and migrated **CI/CD** processes using **Cloud Formation** and **Terraform** Templates and Containerized the infrastructure using **Docker**, which was setup in **Vagrant, AWS logs to Elastic Search and Kibana** , and **VPCs.** Used **AWS Beanstalk** for deploying and scaling web applications and services developed with **Java, Node.js, Python** and **Ruby** on familiar servers like **Apache, Nginx, Tomcat.**
* Developed Shell/ Python scripts to automate the troubleshooting on **AWS** platform based on the alerts provided by the **AWS SNS**. Creating, Automating and Managing the firewall rules **NSG** in **AWS** in the process of maintaining the security standards in the cloud environment.
* Implemented automation workflow to support microservice application running on **AWS Elastic Beanstalk** which utilizes **Lambda, S3, ECR** deployed using IaC with **Terraform modules** and also have experience in Converting existing **AWS** Infrastructure to Serverless architecture (**AWS Lambda, Kinesis**), deploying via **Terraform** and **AWS** **Cloud Formation** templates.
* Automated Datalog Dashboards with the stack through **Terraform** Scripts. Configured **CloudWatch** and **Datadog** to monitor real-time granular metrics of all the **AWS** Services.
* Integrated **Terraform** into current software release process to help provision **AWS** resources and deployments of artifacts and services. Wrote automation scripts for creating resources in OpenStack Cloud using Python and **terraform** modules. Created and managed **Cinder** volumes in **OpenStack Cloud**.
* Automate **AWS** infrastructure through infrastructure as code by writing various **Terraform** modules, scripts by creating **AWS IAM users, groups, roles, policies, custom policies**, **AWS Glue, Crawlers, Redshift clusters, snapshots** of **clusters, EC2, S3 buckets**
* Built **Jenkins** jobs to create **AWS** infrastructure from **GitHub** repos containing **Terraform** code and

administered/engineered **Jenkins** for managing weekly Builds and integrated **Jenkins** with various **DevOps** tools such as **Nexus, SonarQube, Chef**.

* Wrote CI/CD pipeline in **Groovy scripts** to enable end to end setup of build & deployment using **Jenkins**. Integrated **Jenkins** with **Hashi Corp Packer** and **Vagrant** files for creating the test environments which includes same configurations of our Prod, Non-prod environments do.
* Worked on the **Nagios** core monitoring tool for alerting the servers, switching, and send data via the network through specific plugins. Performed activities using **Nagios** both on Linux and Windows systems.
* Executed the automation from commit to deployment by implementing a **CICD pipeline** with the help of **Jenkins** and **Chef**.
* Worked with various components of **Chef**including **Chef Server, workstations, Nodes, configurations** of **chef-client** and written **cookbooks** and **recipes** for **Chef** and assigning roles to nodes.
* Developed multiple **Chef Cookbooks** from scratch and implemented automation with **Vagrant, Chef** on **AWS**for application testing, deployment, and development.
* Hands-on experience in creation of the custom **Docker** container images, tagging and pushing the images and **Docker** consoles for managing the application of life cycle. Implemented **Docker-Maven plugin** and **Maven POM** to build **Docker Images** for all microservices.
* Implemented **Blue/Green** Deployments with Zero downtime where the current environment is replicated to latest version with **Kubernetes** to resolve the Bug fixes and redirect the traffic to it once the issues are resolved.

CLIENT: NTT Data Inc **- (Texas, USA)**

**2015 August – 2016 October**

**BUILD & RELEASE**

**Roles and Responsibilities:**

* Delivered architecture designs and solutions for public, private, and Hybrid clouds covering the cloud architecture tiers and portfolios of cloud services for a team, implemented Software Release Management strategies, implemented software builds using different tools like **GIT, Bitbucket, ANT, Jenkins, Nexus,** and **Artifactory**.
* Migrated out core repository from **SUBVERSION** to **GIT**. In this process, I was involved in individually migrating all the codebase from **subversion** to **GIT** ensuring that the health of our builds is not affected. Performed high-level merges of branches, codebases.
* Created and maintained **continuous Integration (CI)** and **Continuous Deployment (CD)** using tools **Jenkins/Bamboo** over different environments to facilitate an **agile** development process which is automated enabling teams to safely deploy code repeatedly.
* Worked on update and merge password authentication issues in **Jenkins** and  **Jira** is involved in implementing **Atlassian Tool Suite** (**Jira, Jenkins**) especially for the issue tracking application (**Jira**).
* Connected continuous integration system with the **GIT**version control repository and continually build as the check-in’s come from the developer. Integrated **GIT** into **Jenkins** to automate the code check-out process. Used both **GIT** and **BIT bucket** source control systems to manage code.
* Experience in writing **Ansible playbooks** for installing **WebLogic** and **WebSphere** application and Managed **Nexus** **Artifactory** repositories to store **EAR, WAR, JAR** snapshots and dependencies.
* Involved in editing the existing **ANT/MAVEN** files in case of errors or changes in the project requirements.
* Worked on Setting up **puppet** master, client and wrote scripts to deploy applications on Dev, QA, production environment.
* Development of **Puppet modules** with **Jenkins** for continues integration and continues deployment of managed products, and related services.
* Participating in configuring and monitoring distributed and multiple platform servers using **Puppet.** Used **Puppet** server and workstation to manage and configure agents.
* Redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting on **Linux/UNIX** platform, and created **NFS** Mount Points on **Red hat Linux, Solaris** .

**CLIENT**: **Amazon – (Hyderabad, India)**

**2015 January – 2015 August**

**LINUX ADMINISTRATOR:**

**Roles and Responsibilities:**

* Created and modified application related objects, created Profiles, users, roles, and maintained system security. Monitored **Linux** server for CPU Utilization, Memory Utilization, and Disk Utilization for performance monitoring.
* Installed, upgraded, and configured **Red Hat Linux** using the kick-start installation and managed, administrated 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**.
* Experienced in the installation and configuration of Volume Management and file system through **Veritas Volume Manager (VVM**) and **Logical Volume Manager (LVM) a**nd file system tasks like the creation of a logical volume and file systems **(ext2, ext3, ext4),** mounting and unmounting files, modifying in **Linux.**
* Debugged network connectivity issues and involved in troubleshooting activities with commands **ping, traceroute**, **tcpdump, nslookup, netstat, iostat, top**.
* Implemented **NFS, AutoFS, FTP, DNS, DHCP** for administrative and project requirements as well **SAMBA server** for windows and Linux connectivity.
* Worked in all areas of **Jenkins** setting up CI for new branches, build automation, plugin management and securing Jenkins and setting up master/slave configurations.
* Created post commit and pre-push hooks using **Python** in **SVN** and **GIT repos**. Setting up the **SVN** and **GIT** repos for **Jenkins** to build jobs

**2014 January –2014 December**

**CLINET: Axis Bank – Hyderabad, India**

**JUNIOR DOTNET DEVELOPER:**

**Roles and Responsibilities:**

* Hands on in application development using with **C#**, Web applications in MVC using **C#** as the code behind language, SQL Server and [**.NET**](http://ado.net/).
* Developing Windows applications, Web applications and WCF service using Microsoft visual studio.
* Experienced in the change request process and Software Integration as per client requirements.
* Strong debugging and problem-solving skills. Also worked on N-tier Architecture and a single ton design pattern.
* Knowledge on Full Life Cycle development of software applications on Client-Server architecture.

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| ACCOMPLISHMENTS |

# Microsoft Certified: DevOps Engineer Expert

# <https://www.youracclaim.com/badges/2b565fed-268f-4427-92b2-7c158245b78c/public_url>

# AZ-400 Designing and Implementing Microsoft DevOps Solutions

<https://www.youracclaim.com/badges/a12864bd-bc1b-4ae6-8aca-a1ff1580444e/public_url>

# Azure Administrator Associate (AZ-104)

# <https://www.youracclaim.com/badges/98ccb01f-0f23-4a3b-87c9-bfc359d4b577/public_url>

* **Certified Kubernetes Administrator**

<https://www.youracclaim.com/badges/33c9c4c6-0ef5-470e-bb53-6558685ed304/public_url>

* **HashiCorp Certified: Terraform Associate**

<https://www.youracclaim.com/badges/208a8096-a15f-4344-9af2-cf4c942244d8/public_url>

# AWS Certified Solutions Architect – Associate

<https://www.youracclaim.com/badges/eccbb3df-2f68-4225-be61-7232cdd1f2bf/public_url>