

Vinod NanjiKatuwa

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#### Summary

* 12+ years of experience as Sr. DevSecOpsEngineer and Cloud Development Engineer involving extensive work towards code compilation, automation, packaging, building, debugging, managing, tuning and deploying code across multiple Cloud environments.
* In-depth understanding of the principles and best practices of Software Configuration Management (**SCM**) in **Agile**, **SCRUM**, **Waterfall** methodologies.
* 9year’s Experience in Handling Kubernetes Clusters like **EKS, ECS,GKE, AKS, OpenShift and OnPrem K8sClusters**..
* Designed, Architected and implemented the Platform as a service built for multi-tenant platform within the Hybrid cloud infrastructure within **AWS and GCP.**
* Used **Ansible**and **Ansible**Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Good knowledge Creating CI/CD Pipeline in **Jenkins, AWS Codepipeline, Harness IDP.**
* Writing Pipeline from Scratch in **Jenkins, AWS Codepipeline, TeamCity, Harness, Gitlab, Gitlab Action and Circle Ci.**
* Managing the configurations of multiple servers using **Ansible** & **Chef.**
* Managed environments **DEV, QA, UAT and PROD** for various releases and designed instance strategies.
* Managed **Multi Flavor of Linux** and**Windows** virtual servers with Ansible & Chef using **Git**.
* Extensively worked on **Cloud Bees**, **Jenkins** and **TeamCity** for continuous integration (CI) and for End-to-End automation for all build and deployments.
* Performed Automation and Scaling of applications using **Kubernetes.**
* **Terraforming and CloudFormation**to Deplyall infrastructures into **Azure, AWS and GCP**.
* Organized different infrastructure resources like physical machines, VMs and even containers using Terraform.
* Worked on **Terraform** to set up the AWS infrastructures such as launching **ApiGateWay, S3buckets, VPC, Subnets**, and created the module driven AWS Infrastructure with Terraform
* Used **GIT**as Version Control System for two applications. Managed development streams and Integration streams.
* Used **AWS**Bean Stalk for deploying and scaling web applications and services developed with Java, Node.js, Python and **Ruby**on familiar servers such as Apache, and IIS.
* Worked on **Docker**container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Experience working on several Docker components like **Docker Engine, Hub, Machine, Compose and Docker Registry**.
* Experience working on **Jfrog, ECR andDocker hub,**creating docker images and handling multiple images primarily for middleware installations and domain configurations.
* Created functions and assigned roles in AWS **Lambda**to run python scripts.
* Administration and maintenance of **Docker**runtime environment, Versioning and lifecycle management of **Docker images**, Experienced in Docker orchestration framework.
* Automated Compute Engine and Docker Image Builds with **Jenkins**and **Kubernetes.**
* Having good implementation experience with installation and configuration of **Kubernetes,** clustering them and managed local deployments in **Kubernetes.**
* Provided consistent environment using **Kubernetes**for deployment scaling and load balancing to the application from development through production, easing the code development and deployment **pipeline**by implementing **Docker**containerization.
* Focused on **containerization**and immutable infrastructure. Docker has been core to this experience, along with  multi**Kubernetes, Helm Chart, AWS ECS/EKS, Azure EKS &Openshift/Mesos.**
* Integrated **Kubernetes**with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts.
* Created Docker images using a **Docker file**. Worked on Docker container **snapshots**, removing images and managing **Docker volumes** and experienced with Docker container service.
* **Ansible**playbooks to manage configurations and automate installation process.
* Performed Automation and Scaling of applications using **Kubernetes.**
* Experience with **Ansible**Tower to manage Multiple Nodes and Manage Inventory for different Environments.
* Experience in **Private Cloud setup /POC/Configuration/maintenance**.
* Efficient in working closely with **Development, QA, Product and Business** owner teams to ensure high quality and timely delivery of builds and releases across multiple platforms and environments.
* Worked as an independent contributor, **Self-motivated** and **energetic professional, Strong Organizational skills** and ability to do multitask, ability to quickly acquire an in-depth knowledge of the company's **product and systems**
* Used Ticketing & Project Management tools like Jira, Team Foundation Server in DevOps, Service Now, and HPQC.
* Knowledgeable on scripting languages as Python hands on experienced.

**Technical Proficiency**

* Operating Systems : UNIX, Linux Redhat, Centos, Ubuntu, Fedora, Windows Server
* SCM Tool : Subversion, GIT, Perforce, Clear case, Nexus, Artifactory
* Build Tool : Jenkinsfile, Harness template, Groovy, Ant, Maven, Gradle, MSBuild
* CI tools : Jenkins,AWS Codepipeline, Harness IDP, TeamCity, Bamboo, XDeploy, ArgoCD.
* Bug tracker & Testing : JIRA, Bugzilla, RedMine, Junit, TestFlight, TestRail, TeamCity
* Automation Tools : Terraform, Cloudforamtion, Ansible & Chef
* Web Service Tools : Nginx, Apache Tomcat, Web sphere, IIS
* Languages/Utilities : Shell Script, Batch Script, Ruby, Python.
* Networking : TCP/IP, NIS, NFS, DNS, SAN, SMTP, FTP/TFTP.
* Cloud & Networking : AWS, Azure, Apache Cloud-Stack, VMware-Exsi, Cisco Meraki.
* BigData Tools : Druid, Hadoop, Hbase, MapReduce, HDFS, Sqoop, Flume, Hive, Pig.
* Virtualization :Docker, Kubernetes KVM, LXD, Zen Citrix, EXSI, VMware Workstation, Virtual-Box
* Micro Services : Kubernetes, EKS, ECS, GKE, OpenShift, AKS, Onprem K8s

Job Summary

**Mphasis/JPMC, NewJersey** Aug 2022 to Till Date

https://www.mphasis.com/

Project:Hybrid/TexasSr. DevSecOps Engineer

* Knowledge with AWS Devsecops tools like **AWS EKS, Azure AKS, GKE and plain Kubernetes, Packer, Docker, Wrecker, Jenkins. Experienced of working with CI/CD Code PIPELINE**.
* Customized the log monitoring for a better and convenient reading of the logs by creating the indices and passing them on to the **Elasticsearch which provides a URL for Kibana access.**
* Responsible for designing & deploying new **ELK clusters (Elasticsearch, Logstash, Kibana, beats, Kafka, zookeeper).**
* Writing Template for **Harness IDP Pipeline**, which was recently migrated from **Jenkins**.
* Maintaining CICD with **Harness and AWS Code pipeline** for AWS ECS and Java Spring boot application and some Python based Lambda.
* Writing Tempaltes for **Terraform, Codepipeline CloudFormation, Harness Pipeline.**
* Experienced in writing UNIX Shell scripting for the automation of system administrative jobs and experienced in scripting languages like .Net ,Node.js, Perl, Powershell, Bash , Ruby, Python for the deployment of Java applications on bare servers.
* Technologies used - **Java, Spring, Spring Boot, REST Api's, Angular 2, SQL, MyBatis, JSON, Junit, Mongo, Bamboo, Octopus, Jasper Reports, RabbitMQ**
* Perform migrations of existing Atlassian applications like JIRA and Confluence to/from Atlassian Cloud.
* Integration of Maven/Nexus, Jenkins, Urban Code Deploy with Patterns/Release, GITLAB, Confluence, JIRA and Cloud Foundry.
* Experienced with version control tools like GITLAB and SVN and integrated build process with Jenkins.
* API to provide lightweight containers that run processes isolation and worked on creation of customized Docker container images, tagged and pushed the images to the **ECR Jfrog, Docker Hub repository.**
* Built and deployed a **Ansible**Workstation Server in **Azure &AWS** for infrastructure automation.
* Creating**Ansible Playbook and Chef Cookbooks and Recipes** to maintain and automate various parts of infrastructure.
* Created S3 bucket to host a static website with logging and versioning and customizing the template as per the client's requirement.
* DB administration and scripting in **SQL, MySQL, Oracle databases** for report generation and data management.
* Created lambda and wrote **lambda function in Python** script to stream the data from S3 bucket to **Elasticsearch**.
* **GCP , AWS,** Large scale environments consisting of over **GKE, EKS and 400+ Linux, Windows & Unix Instances** running multiple technologies including Javabased microservices, **Druid Cluster, ELK, Ingress, Memcache, MySQL, Tomcat, Kafka, AWS, Docker, Nexus, Jenkins Zookeeper, Storm, Hadoop, H-Base, Data dog, Log watch, Postfix.**
* S3 Custom Backup script and RDS Management &**AWS RDS running MySQL with replication.**
* Creating and Maintianingmultiple multi-nodes cluster of **Driud**.
* Commissioning and Decommissioning nodes on running **Druid Cluster.**
* Installing **Druid Ecosystem components (Kafka Cluster, SQL, Historical).**
* Experience in installation, configuration and administration of VMware based virtual servers using **ESX/ ESXi servers, vSphere and Virtual Center.**
* Worked on Linux Utilities: **SSH, FTP, User, Process, Memory, Package, Disk and Log Management's and Swap Partition/Files** Management.
* Designed and implemented Hypermedia (**RESTful**) **API** to integrate iOS application to existing music content database. Result was an adaptable interface to allow users to find **SmartMusic content. (ASP.NET Web API, REST, Http, SOA)** with **AWS ApiGateway**
* Established communication between **VPCs using VPC Peering , DirectX and Transit Gateway.**
* Configured **lifecycle configuration** rules and Alerts on buckets and other **GCP and AWS Service** to move data between storage classes for easy accessibility, archiving and or cost optimization.
* Developed **Shell and Python script** for day-to-day tasks, maintenance operations and system integrity.
* **OS and Docker Image** Hardening along with **Vulnerability and Security scans**

Environment**: Terraform, Harness, AWS, VPC,IAM, Cloud Watch, Glacier, DynamoDB, OpenStack, shell/Python scripts, GIT, Jenkins, Maven, Nexus, Ansible, Docker, Kubernetes, JIRA, Splunk, Nagios, Python, Nginx, Tomcat, Windows and Linux environment, VMware ESX/ESXI Server and Workstation.**

**IBM, Dallas, Texas** July 2020 to Aug2022

https://www.ibm.com

Project:New Jersey, HQ Sr. DevOps/Cloud Engineer

* Implemented a **server less** architecture using API Gateway**, Lambda**, and Dynamo DB and deployed **AWS Lambda** code from Amazon S3 buckets.
* Created a **Lambda** Deployment function, and configured it to receive events from your S3 bucket.
* Designed the data models to be used in data intensive **AWS Lambda** applications which are aimed to do complex analysis creating analytical reports for end-to-end traceability, lineage, definition of Key Business elements from Aurora.
* DevOps role converting existing AWS infrastructure to **Server-less** architecture (AWS Lambda, Kinesis) deployed via CloudFormation
* Deploying infrastructure on AWS utilizing services such as EC2, RDS, VPC and Managed Network and Security, Route 53, Direct Connect, IAM, Cloud Formation, AWS Ops Works (Automate operations), Elastic Beanstalk, AWS S3, Glacier, (Storage in the cloud) and Cloud Watch Monitoring Management.
* Handling and maintaining Azure DevOps Pipeline with ADO and Terraform.
* Maintaining Terraform for Infrastructure as Code for Azure and GCP.
* Experienced in creating AWS IAM and Security Group in Public and Private Subnets in VPC. Created AWS Route53 to route traffic between different regions.
* Launched AWS and Open Stack instances (SUSE/Ubuntu/CentOS) and Configured launched instances with respect to specific applications.
* Implementing AWS Lambda functions to run scripts in response to event in Amazon Dynamo DB table, S3 buckets, HTTP requests using Amazon API Gateway.
* Involved in creating, configuring AWS VPC services, installed EC2 instances for the new development team, and used AWS Route 53 to maintain the traffic and to create the DNS name.
* Create a custom image of an Azure VM with Azure PowerShell and create a VM scale set and deploy a high available app on Windows with Azure PowerShell.
* Experience in load balance Windows VM in Azure to create high available application with Azure PowerShell and manage Azure Virtual Network for Windows VM with Azure PowerShell.
* Experience in Backup and restore files for Windows VM in Azure cloud.
* Written Python scripts and PowerShell for setting up baselines, branching, merging, and automation processes across the environments using SCM tools like GIT on Linux and Windows platforms.
* Implementing VPC, Auto Scaling, S3, EBS, ELB, Cloud Formation templates and CloudWatch services from AWS..
* Worked on Performance Monitoring, resolving network issues &tuning the system using tools.
* Developing plan for problem and incident response & management process based on Information Technology Infrastructure Library (ITIL).
* Improved team performance and accelerated release cycle accelerate delivery of new features and increase overall product qualities.
* Maintaining and developing Docker images for a tech stack including Cassandra, Kafka, Apache and several in house written in both OpenStack and AWS cloud on Kubernetes.
* Used Docker and Kubernetes to manage micro services deployment.
* Used Kubernetes to create Pods, Config Maps and deployments into the cluster.
* Hands on experience on Kubernetes to automate the deployment, scaling and operations of application containers across clusters of hosts.
* Worked with containerization tool Docker and running containers and services and utilizing docker swarm.

**Environment:**Terraform, AWS,S3, EBS, Elastic Load balancer (ELB), Auto Scaling groups, VPC,IAM, Cloud Watch, Glacier, DynamoDB, OpenStack, shell/Python scripts, GIT, Jenkins, Maven, Nexus, Ansible, Docker, Kubernetes, JIRA, Splunk, Nagios, Python, Nginx, Tomcat, Windows and Linux environment, VMware ESX/ESXI Server and Workstation.

**AccionLabs Technologies (USA ,Mumbai, Bangalore, Chennai Ind,)**  March 2018 to Dec 2019

[www.accionlabs.com](https://www.accionlabs.com/)

Project: Mumbai HQ, Bangalore , New JerseyDevOps/Automation Consultant

* Working as a backend developer to create **lambda** based **microservices** to consume data from multiple enterprise applications using SNS and SQS and store the data in DynamoDB
* Used **Java 8 lambda** expressions, collections, Stream apis as part of day to day development
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Setup and build **AWS**infrastructure various resources, **VPC EC2, S3, IAM, EBS,**Security Group, Auto Scaling, and RDS in Cloud Formation **JSON**templates.
* Working in implementation team to **build**and engineer servers for **Linux**& **AIX**operating systems.
* Working on AWS cloud to provision new instances. S3 Storage Services. AWS EC2 & **Cloud watch**services. **CI/CD**pipeline management through Jenkins.
* Extensive experience in **Serverless** framework using Java.
* Creating **serverless**yml files to manage AWS resources
* Automated Compute Engine and Docker Image Builds with **Jenkins**and **Kubernetes.**
* Having good implementation experience with installation and configuration of **Kubernetes,** clustering them and managed local deployments in **Kubernetes.**
* Provided consistent environment using **Kubernetes**for deployment scaling and load balancing to the application from development through production, easing the code development and deployment **pipeline**by implementing **Docker**containerization.
* Focused on **containerization**and immutable infrastructure. Docker has been core to this experience, along with **AWS ECS** and **Kubernetes.**
* Integrated **Kubernetes**with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts.
* Created Docker images using a **Docker file**. Worked on Docker container **snapshots**, removing images and managing **Docker volumes** and experienced with Docker container service.
* Wrote **Ansible**playbooks to manage configurations and automate installation process.
* Used **Ansible**and **Ansible**Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Managing the configurations of multiple servers using **Ansible.**
* Managed Artifactory repository for the current project created a new repository and provisioned it.
* Wrote PowerShell scripts to automatically restart the uDeploy agents on LINUX machines
* Performed Automation and Scaling of applications using **Kubernetes.**
* Experience with **Ansible**Tower to manage Multiple Nodes and Manage Inventory for different Environments.
* Used **Ansible**to orchestrate software updates and verify functionality.
* Used **Ansible**to document all infrastructures into version control.
* Used **GIT**as Version Control System for two applications. Managed development streams and Integration streams.
* Used **AWS**Bean Stalk for deploying and scaling web applications and services developed with Java, Node.js, Python and **Ruby**on familiar servers such as Apache, and IIS.
* Worked on **Docker**container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Experience working on several Docker components like Docker Engine, Hub, Machine, **Compose**and Docker Registry.
* Experience working on **docker hub,**creating docker images and handling multiple images primarily for middleware installations and domain configurations.
* Used **Docker**for configuration management automation
* Setup Elastic Load Balancer for distributing **traffic**among multiple Web Logic servers and involved in deploying the content cloud platform on Amazon Web Services using **EC2, S3**and **EBS.**
* Creating the AWS Security groups to enable firewall.
* Automated **AWS**volumes snapshot backups for enterprise using Lambda.
* Created functions and assigned roles in AWS **Lambda**to run python scripts.
* Administration and maintenance of **Docker**runtime environment, Versioning and lifecycle management of **Docker images**, Experienced in Docker orchestration framework.

**Environment:**Linux(RHEL) Redhat, AWS, Puppet, Chef, Amazon EC2, Apache/ Web Server, WebSphere Application Servers Subversion, Maven, Jenkins, Apache Tomcat, JIRA, MS SharePoint XML, UNIX/LINUX, Windows, Perl Scripts, Shell-Scripts, Java/J2EE, Kubernetes, Docker, HortonWorks, Hadoop.

**MooFwd Inc (Mumbai Ind, New Jersey USA, Chile USA)** Sept 2014 to Feb 2018

[www.moofwd.com](http://www.moofwd.com/)

Project: Mumbai HQ DevOps/Cloud Engineer

* AWS, Large scale Infra environments consisting of over 400+ Linux & Windows Instances running multiple technologies including Apache, Nginx, MemcacheD, MySQL, Tomcat, Kafka, AWS, Dockers, Nexus, Jenkins, Zookeeper, Storm, Hadoop, H-Base, Data dog, Log-watch, Postfix, ELK-Stack & EFK-Stack.
* OS and Kernel Layer Tuning and Complying for Better Performance.
* Private Cloud with Cloud-Stack and VMware EXSI consisting of 80-100+ Linux Environment For Hadoop and Other Development Tools
* Implemetation and Configuration of ELK Stack and also Configuring Dashboard with FluentD and Logly.
* Implemetation and Configuration of Identity Provider or SAML (Single Sign On) Server.
* BlackBorad and Canvas Configuration and Setup with Automation tools.
* Designed and implemented Ansible with Vagrant and Docker Containers to configure, install, manage and deploy releases across all environments
* Docker Containers Monitoring with Custom Script and Sensu Monitoring Tool.
* Managed and maintained ongoing changes to configuration with Ansible and Custom Scripts.
* Template Design and Configuration for Apache Cloud-stack and AWS Cloud-Formation.
* Hadoop multiple multi-nodes fully-distributed cluster and testing Environment Setup with simple scripts and Ansible Playbook.
* Regular maintenance of cluster with Hadoop-balancer and monitoring of clusters with Sensu and Python Flask Monitoring Tool.
* Troubleshoot the build issue during the Jenkins build process.
* Experience in design micro services deployment using Docker.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Hadoop Cluster environment administration that includes cluster capacity planning, performance tuning, cluster monitoring.
* Installing and configuring core Hadoop and Echo system (CDH and Horton-Work).
* Working with Hadoop Ecosystem components (Pig, Hive, H-Base, Spark).
* Trouble shooting and Recovering Hadoop Data-Node and Name-Node failure or Recovery.
* Installing multi-nodes fully-distributed and highly available more than 300 nodes storm cluster.
* Installing and configuring highly available HBase cluster in fully-distributed mode.
* Installing and configuring Cloudera-Hadoop with MySQL database backend.
* Configured, performed troubleshooting and tuning for all layers of the stack Created and implemented multi environment Nagios &Sensu monitoring and managed with Python scripts for adding and removing hosts
* Provided timely support as needed to staging & production releases
* Configured, performed troubleshooting and tuning for all layers of the stack Created and implemented multi environment.
* S3 Custom Backup script and RDS Management.
* AWS RDS running MySQL with replication.
* Several automated Shell and Python Script for daily and new implementation work.
* Nginx Load balancer and webserver configuration.
* Nagios &Sensu monitoring and managed auto-reactivation of application service with nagios reactor and sensu remediation (Tomcat, Nginx, MemcacheD, MongoDB, MySQL lots more).
* Deploying Self Made Plugins for Sensu or Nagios with Python or Shell Script.
* Implementation of Docker with different application & Tools.
* Publishing Docker images to Docker Hub & Nexus Repo.

**Environment**: GIT, Jenkins, ANT, Maven, Ansible, JIRA, Python Scripting, Open stack, Artifactory, Docker, SQL, Ruby, Nagios, Kibana, Swagger, Shell, Tomcat, SVN, LDAP, Postfix.

**Thomson Reuters India (Noida & Mumbai, India)** May 2012 to Aug 2014

[www.thomsonreuters.com](http://www.thomsonreuters.com/)

Project: Mumbai HQ and Pune Data-Centers DevOps/Cloud Engineer

* AWS, Large scale Infra environments consisting of over 200+ Linux & Windows Instances running multiple technologies.
* Cloud Migration & EBS Disk Migration
* Manage infra in AWS, Azure and VMWare
* Ansible with Vagrant for new Deployment of Instance or server
* caching server with Redis-Sentinal or MemcacheD.
* Experience on deploying Hosted Chef-Server on AWS for managing AWS EC2 instances.
* Server Provided Systems Administration, monitoring, maintenance, deployments, troubleshooting and automation services.
* Responsible for CI/CD process implementation using Jenkins along with Shell scripts to automate routine jobs.
* Setup MySQL & MongoDB (NoSQL) with failover and Replication
* Monitoring using Nagios Configured, performed troubleshooting and tuning for all layers of the stack Created and implemented multi environment Nagios &Sensu monitoring and managed with Python scripts for adding and removing host.
* Documentation of how deployment works, installation and setup process
* Application running inside Dockers and Monitoring.
* Configuring Webserver Apache and Nginx
* S3 Custom Backup script and RDS Management.
* AWS RDS running MySQL with replication.
* Several automated Shell and Python Script for daily and new implementation work.
* Coordination with multiple hardware and operating system software vendors to resolve the critical production issue.
* Automated shell and python scripts
* Server Logging system or Log management with Fluentd and Logstash with Kibana, ElasticSearch .
* OSSEC with ELK-Stack for Intrusion Alert and preventions.
* Automatic script for Log Management and query alert.
* Performed weekly and on-call deployments of application codes to production environments
* Created Maven, Perl & UNIX scripts for build and Release activities in QA, Staging and Production environments.
* Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
* Working experience on AGILE/SCRUM Methodologies.
* Maintained and expanded usage of TeamCity and Gitlab
* Created and deployed a tool to automate branch and project creation in subversion using Perl and Chef and Puppet scripts
* Also help set up some of the AWS account peered with Shared Services so some users can use their CORP login creeds for logging into AWS accounts
* Work along with QA Lead to complete test planning tasks and executions for Statoil. (HAL Insite, WITSML,   
  Apache Cassandra DB, Storm UI, Google Postman, WAPI entitlements and Zookeeper Applications)

**Environment:**Web Sphere,Nginx Server, Log4j, JavaScript, J2EE Patterns Search, SQL, MySQL, LDAP.

**Technical Proficiency**

Operating Systems : UNIX, Linux Redhat, Centos, Ubuntu, Fedora, Windows Server

SCM Tool : Subversion, GIT, Perforce, Clear case, Nexus, Artifactory

Build Tool :Jenkinsfile, Groovy, Ant, Maven, Gradle, MSBuild

CI tools : Jenkins, TeamCity, Bamboo, XDeploy.

Bug tracker & Testing : JIRA, Bugzilla, RedMine, Junit, TestFlight, TestRail, TeamCity

Automation Tools : Ansible & Chef

Web Service Tools : Nginx, Apache Tomcat, Web sphere, IIS

Languages/Utilities : Shell Script, Batch Script, Ruby, Python.

Networking : TCP/IP, NIS, NFS, DNS, SAN, SMTP, FTP/TFTP.

Cloud & Networking : AWS, Azure, Apache Cloud-Stack, VMware-Exsi, Cisco Meraki.

BigData Tools : Druid, Hadoop, Hbase, MapReduce, HDFS, Sqoop, Flume, Hive, Pig.

Virtualization & Micro Services :Docker, Kubernetes KVM, LXD, Zen Citrix, EXSI, VMware Workstation, Virtual-Box

**Professional Training and Certification**

* AWS Cloud Solution Architect
* AWS DevOps Specialty Professional
* AWS Security Specialty Professional
* Certified Kubernetes Administration (CKA)
* Google Cloud Architect
* CompTIA Security Certificate
* Red Hat Work Certificate
* Software Testing, GNIIT
* Network Advance Training, Net Link Technologies.
* IT security & Ethical Hacking, IAIT Technologies
* VCA-DAV Certified
* VCA-CLOUD Certified
* Big Data& Hadoop Certified
* TechGig Linux Expert
* TechGig Cloud-Computing
* TechGig DevOps Expert
* Citrix Professional Mobility
* Certified Kubernetes Application Developer (CKAD).

Educational Credentials

* Pace University, New York, USA (Master of Computer Science and Information System, 1st Class 2021)
* Pace University, New York, USA (Enrolled PHDin Computer System, 1st year Completion – 2022)