**Nishi**

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**PROFESSIONAL SUMMARY:**

* Around **10+** years of hands-on involvement in IT industry, prioritizing Automation, **CI / CD** Software Configuration Management (**SCM**), Security, Cloud Resource Utilization, environment setup etc.
* Expertise in creating DevOps strategy by implementing CI/CD of code with tools like **Version controls, Jenkins, Maven** etc. and Config Mgmt tools like **Chef, Ansible & Puppet.**
* Strong experience on DevOps concepts like **Build Automation**, **Continuous Integration** (CI), **Continuous Deployment** (CD), Infrastructure as code technologies, Cloud computing.
* Experience with various **AWS** services like **EC2, S3, ELB, Glacier, VPC, RDS and**

**Cloud Watch, elastics IP, security groups and cloud formation**.

* Worked on **AWS Cloud Formation Templates (CFT)** to create custom-sized VPC, Subnets, EC2 instances, ELB and Security groups.
* Good experience in utilizing **GIT, GitHub** furthermore to have organization learning to bolster employee and GitHub clients.
* Good understanding of Pivotal cloud foundry (**PCF**) Architecture (Diego Architecture), PCF components and their functionalities. Experienced in using Pivotal Cloud Foundry (PCF) CLI for deploying applications and other CF management activities.
* Application Deployment and environment configuration using **Chef, Puppet and Ansible**.
* Configure **Docker** containers and creating **Docker** files for different environments
* Expertise in automation tools like **Git, Ant, Maven, and Jenkins, Chef, Puppet, PowerShell, Ansible, Nagios, and Docker**
* Experienced in build tools such as **Apache Ant, Maven, Atlassian, Bamboo, Cruise Control.**
* Experience in developing application in **PowerApps** using Common Data Service CDS, SQL, Flow, Excel and SharePoint.
* Expertise in using DAX and generated dashboards & reports and integrating with **PowerApps**.
* Managing ongoing updates and configuration changes to AWS environments using deployment. Automation tools such as **Jenkins** alongside **chef** and **terraform**
* Proficient in Maintaining Enterprise Nexus code repository and **SonarQube** Code Quality management, regularly monitoring the quality gate of Enterprise applications using **SonarQube**.
* Experience in integrating code quality tools such as **SonarQube, JaCoCo, Veracode in CI/CD** pipelines.
* Worked on Terraform, Packer, and Chef to provision and maintain thousands of EC2 instances running popular services such as Kubernetes, Kafka, Vault, Elasticsearch, etc.
* Experience in Setting up the build and deployment automation for **Terraform** scripts using **Jenkins**.
* Provisioned the highly available EC2 Instances using **Terraform** and **cloud formation** and wrote new plugins to support new functionality in **Terraform**.
* Worked on Google cloud platform (**GCP**) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager
* Experience in Working with **Ansible** and **Ansible Tower** as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications and well versed with Ansible Playbooks, modules, and roles.
* Experience in working with **Microsoft Azure platform** for support delivery, solved complex billing and technical issues
* Experience with **Linux Administration, Application Build and Release Management, Cloud Infrastructure management, Software Configuration Management.**
* Expert in Implementing a production ready, highly available, fault tolerant **Kubernetes** infrastructure. Working on Scheduling, deploying and managing container replicas on a node cluster using **Kubernetes**.
* Hands-on experience in **Azure Cloud Services** (PaaS & IaaS), Storage, Web Apps, Active Directory, Application Insights, Logic Apps, Data Factory, Service Bus, Traffic Manager, Azure Monitoring, OMS, Key Vault, Visual Studio Online (**VSO**), Cognitive Services (LUIS)and, SQL Azure.
* Experience on different kinds of application servers and web tiers including A**pache tomcat, JBoss, IBM WebSphere.**
* Monitoring **Splunk** infrastructure (identify bad searches, dashboards and overall health of **Splunk**) and collaborate with respective teams to improve performance
* Experience with **MongoDB, MSSQL, MySQL** and **Server DB Tasks.**
* Installed, configured and managed the **ELK** (Elastic Search, Log stash and Kibana) for Log management within EC2 / Elastic Load balancer for Elastic Search.

**TECHNICAL SKILLS:**

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| **Core Technical Skills** | Amazon Web Services, GCP and DevOps Tools |
| **Containerization** | Docker, Kubernetes |
| **Configuration Mgmt.** | Ansible, Puppet, Chef |
| **CI Tools** | Jenkins , Azure DevOps |
| **Repository** | Artifactory, Nexus, JFrog |
| **Version Control Tools** | Git, SVN, GitHub, GitLab, Bitbucket , TFS |
| **Operating Systems** | MS Windows (Server 2003, 2008,2012R2, 2016, 2019) and Linux |
| **Server Hardware** | HP ProLiant BL460c Gen8, Gen 6, Gen7 & ProLiant DL360 Gen 9, IBM HX Series. |
| **Storage Devices** | Hitachi G1000, & NetApp FAS 3600 |
| **Patch Management** | WSUS, SCCM 2012 R2 |
| **Web Servers** | Apache, JBOSS, Webserver and IIS |
| **Database Tools** | SQL, Oracle 12c, RDS, DynamoDB, AWS Redshift |
| **Scripting Languages** | Python, shell , Bash scripting, PowerShell |
| **Ticketing Tools** | Service Now, JIRA |
| **Anti-Virus Console** | Symantec Endpoint Protection Manager 12.1.7, McAfee Virus Scan Enterprise |
| **Back Up Tools** | IBM TSM, Time Navigator (Tina), NetBackup (NBU) |
| **Monitoring Tools and Other** | Nagios, HPIM, Tivoli, AWS CloudWatch and Elastic Search Terraform |

**PROFESSIONAL EXPERIENCE:**

**CVS, NJ Jan 2023 - Present**

**Azure DevOps Engineer/Site Reliability Engineer Lead**

**Responsibilities:**

* Good understanding of Pivotal cloud foundry (**PCF**) Architecture (**Diego Architecture**), PCF components and their functionalities. Experienced in using Pivotal Cloud Foundry (PCF) CLI for deploying applications and other CF management activities.
* Implemented Micro-services using PCF platform build upon **Spring Boot** Services. Managed the lifecycle of containers and processes running using Diegocell rep. Worked on PCF **Dev**to push and scale apps for debugging applications locally on a PCFdeployment.
* Worked on developing **API**s using **Kubernetes** to manage and specify the copies of the containers to run the actual servers in the cloud environment.
* Written the **AnsibleYAML** scripts to configure the remote servers.
* Ensured successful architecture and deployment of enterprise-grade **PaaS**solutions using **Pivotal Cloud Foundry**(PCF) as well as proper operation during initial application migration and set new development.
* Integrated Jenkins, Run deck and Ansible. Designed and developed Jenkins Build deployments.
* Involved in creation of Architecture and built Minimum Viable product (**MVP**) for containerization platform using **Docker** and **Kubernetes**.
* Experience in microservices deployment with Jenkin pipeline including build process, **GitHub** repo for PCF.
* Creating and Managing the **AWS & GCP** Cloud Infrastructures.
* Launching the Infrastructure using the code and Managing Users and Groups using IAM.
* Securing Infrastructure using **Firewalls, SG, IAM Policies and NACLs**.
* Created stored procedures to import data in to **Elasticsearch** engine.
* Created **PowerApps** forms to implement mobile compatible list forms.
* Scheduled, deployed and managed container replicas onto a node cluster using **Kubernetes**.
* Worked with the configuration team to configure **Splunk** for PCF deployed **micro-services** and monitoring dashboard.
* Deploying and maintaining production environment using **AWS EC2** instances and **ECS** with Docker.
* Created nightly builds with integration to code quality tools such as **SonarQube, Veracode.**
* Designed and Developed **Bamboo** Build deployments on **Docker** containers.
* Experience on rollback mechanism for PCF deployment and configure ongoing traffic with PCF Auto scaling, managing scaling up and scaling down
* Work with **AWS** Cloud management and Ansible Automation.
* Build dynaTrace dashboards and reports and help teams to build their own dashboards.
* Help app teams to troubleshoot problems using dynaTrace.
* Wrote Docker images for Bamboo & Nexus.
* Developed multi-screen **PowerApps** forms and used Power Automate for the approval process and notifications.
* Plan, coordinate, and implement security measures to protect data collected by dynaTrace.
* Develop new and enhance dynaTrace plugins to meet specific requirements of app teams.
* Automated the dynaTrace upgrade, agent installation and configuration.
* **SPLUNK** scalability, capacity planning, distributed setup, Search Head Clustering, Index Clustering, and performance specifications
* Spearheaded the integration of a Front End Web Portal with BMC Remedy to automate the intake process with functionality that lowered risk, improve data quality, and reduced the CRQ (Change Request) completion time by 25%
* Hands on experience in customizing Splunk dashboards, visualizations, configurations using customized Splunk queries.
* Implemented Monitoring solution for Kubernetes using **Prometheus, Grafana & ELK**.
* Implemented deployment framework for applications deployed in **Kubernetes**& implemented Istio for **ServiceMesh**.
* Involved in using **Terraform** migrate legacy and monolithic systems to Amazon Web Services.
* Setting up the build and deployment automation for **Terraform** scripts using Jenkins.
* Provisioned the highly available EC2 Instances using **Terraform** and **Ansible** Playbooks.
* Developed groovy scriptsto use multi branch pipeline projects in **Jenkins** to configure it as per client’s requirement.
* Wrote python, **Groovy** and shell Scripts to automate the build process and administration jobs.
* Automated **CI/CD** (Automation Build and Development) integration system between **Chef, Bitbucket** and **Jenkins**.
* Experience in Deploying and administering in the use of **Tomcat and Web Logic**Created Chef Recipes, automation tools and builds, and did an overall process improvement to any manual processes. Wrote multiple cookbooks in **Chef**.
* Worked on blue green deployments. Deployed for the applications.
* Experience in dynatrace on boarded the applications and created the dashboards  
  and also helped the dev team creating the Dynatrace alerts for the applications.
* On boarded the applications to Splunk and created the dashboards and helped the dev team with the alerts.
* Developed a cloud inventory service, "Sanity," that aggregated data from the AWS, Kubernetes, Chef, Kafka, and similar APIs into a unified database allowing complex questions to be answered with single **PostgreSQL** queries.
* Implemented self-healing for our Kafka infrastructure, permitting M of N brokers to be automatically restored to full functionality with no human intervention.
* Worked on integrating Xmatters with Dynatrace
* Integrated the HAshicorp vault with Jenkins for storing credentials.

**Environment**: PCF, Dynatrace, Splunk, Bitbucket, CI/CD, Bamboo, Kafka, Elasticsearch , PostgreSQL, SonarQube, Terraform, tomcat, Java ,checkmarx, web services, API and Ui, Chef , AWS (Amazon web services):EC2, VPC, IAM, S3, Cloud Front, Cloud Watch, Cloud Formation, Glacier, RDS Config, Route 53, SNS, SQS, Terrafam, PUPPET, Jenkins, DB2, Linux, Win X, Docker, Kubernetes, SVN, ANT, Jenkins, Red Hat Linux, Apache Tomcat.

**Infuzion, MD Jan 2017 - Dec 2022**

**Azure DevOps Engineer/Site Reliability Engineer**

**Responsibilities:**

* Expertise in **AWS** Resources like **EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Formation, Cloud Watch, Security Groups, Lambda, ECS**, etc
* Experience in creating Jenkins CI/CD pipelines and good experience in automating deployment pipelines.
* Creating the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
* Developed build and deploy scripts using **Groovy**, **Python** and **UNIX** for various products to be hosted on Application Servers.
* Set up **CI/CD** pipelines for Microservices and integrated tools such as **Maven, Bitbucket, SonarQube, Nexus, Docker, Slack** for providing immediate feedback to DEV teams after code check-in.
* Worked with Atlassian tools like Bamboo & Jira
* Worked with various **PCF** components like OAuth2 server, login server to provide identity management & Cloud Controller to configure deployment of applications. Worked with Blob store for storing and managing Application code packages, Build packs.
* Implemented a Continuous Integration and Continuous Deployment (**CI/CD**) pipeline with **Docker**, **Jenkins**, **GitHub**, and **Maven**.
* Create a **SPLUNK** search processing Language (**SPL**) queries, reports and dashboards.
* Managed multiple cookbooks in Chef and Implemented environments, roles, and templates in Chef for better environment management.
* Install, configure, test, monitor, upgrade, and tune new and existing **PostgreSQL** databases.
* Worked on creation and managing IT infrastructure and application stack using **AWS Cloud** Formation and writing the template file using **JSON**.
* Developed the metrics delivery system used both by infrastructure and every application at Uptake, processing up to hundreds of thousands of points per second during peak volume through **Kafka** and into partitioned **InfluxDB** instances.
* Providing Global Search with **Elasticsearch**.
* Implemented cloud-based integrations with elastic.
* Used **PowerApps** canvas approach to rebuild existing web based LMS tool.
* Integrated third-party tools with **PowerApps**/Power Automate using Rest API.
* Developed bamboo Plans for Maven builds, creating them on bamboo and running them.
* Working experience of deployment of Java applications through **Web Logic/WebSphere** Application servers. And build tools like Gradle.
* Automated the continuous integration and deployments using **Jenkins, Docker, Ansible** and **AWS Cloud Formation Templates.**
* Automating Veracode, Fortify and White Source submissions with build and release pipelines using their respective APIs and their integration with build servers. Also including SonarQube scans as part of CI builds.
* Strong use of various scripting languages like **Groovy, Shell (Bash), JSON, YAML, Ruby** and **Python.**
* Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes.
* Implemented and improved process for release management, automated code deployment, configuration management, and monitoring.
* Created and implemented Chef Cookbooks for deployment. And used Chef Recipes to create a Deployment directly into **Amazon EC2** instances.
* Use **EC2 Container Service (ECS) to support Docker containers** to easily run applications on a managed cluster of Amazon EC2 instances.
* Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
* Deep expertise in the **AWS** components & APIs Expert working knowledge of Operating. Advanced knowledge of databases (**SQL Server and MySQ**L) and Advanced knowledge of relevant web services, mail, backup, and application monitoring
* Deployed LAMP based applications in AWS environment, including provisioning **MYSQL- RDS** and establishes connectivity between EC2 instance and MySQL-RDS via security groups.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* AWS Code Pipeline to design and implement a Continuous Integration and fully managed continuous Delivery services that helps to automate the release pipelines on AWS.
* Configuring of Virtual Private Cloud (**VPC**) with networking of subnets containing servers.
* Having Access **VPC, Subnet, Security Group and EC2 AW**S describe API and **Cloud Formation** to create spreadsheets, MySQL & Postgres Database entries.
* Proposed, Implemented and maintained New Branching strategies for development teams to support trunk, development baseline codes along with several feature branches.
* Responsible for defining branching & merging strategy, check-in policies, improving code quality, automated Gated Check-ins, defining backup and archival plans.
* Scripted Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on **AWS** instances using **Python**. Run **Ansible** Scripts to provision Dev servers.
* Written Ansible Playbooks, which is an entry point for Server Provisioning, where the automation identified through the tasks using YAML format.
* Container management using **Docker** by writing Docker files and set up the automated build on Docker HUB and installed and configured **Kubernetes**.
* Developed Dev/Test/Prod environments of different applications on AWS by provisioning Kubernetes clusters on **EC2 instances using Docker, Bash, Chef, and Terraform.**
* Experience on working with on-premises network, application, server monitoring tools like Nagios, Splunk and on AWS with Cloud Watch monitoring tool.

**Environment**: AWS EC-2, VPC, Auto-Scaling, ELB, ELK, Splunk, SonarQube, Elasticsearch, Shell Scripts, Bamboo, ANSIBLE, Java, Python, Postgresql, Maven, Chef, Jenkins, Kafka, Docker, Nginx, Nagios, GIT, Agile, Kubernetes**,** Chef, and Terraform.

**PNC Bank, PA Oct 2014 – Dec 2016**

**DevOps Azure Engineer**

**Responsibilities:**

* Worked on AWS and related services like **EBS, RDS, ELB, Route53, S3, EC2, AMI, IAM** through **AWS console**
* Expertise in developing templates for **AWS infrastructure** as a code using **Terraform** to build staging and production environments.
* Experienced in building **AWS S3 buckets** and managed policies and used **S3 bucket** and **Glacier** for storage and backup
* Configured **Veracode** scan in the VSTS pipeline for vulnerability scanning to check teh health of code and specially to find any security issues in the code.
* Managed **AWS** infrastructure as code using **Terraform**.
* Created **alarms**and trigger points in **CloudWatch**based on thresholds and monitored the server's performance, CPU Utilization, disk usage and Utilized AWS **CloudWatch**services to monitor environment for operational & performance metrics during load testing.
* Used Terraform scripts to Automate Instances for Manual Instances that were launched before.
* Implemented and maintained the branching and build/release strategies utilizing **Subversion/GIT**. Manage configuration of Web App and Deploy to AWS cloud server through Chef.
* Used Chef to manage web applications, configure files, database, users and packages. Developed Chef Recipes using Ruby framework to configure, deploy and maintain software components of the existing infrastructure.
* Setting up SPLUNK monitoring on Linux and windows systems.
* Installation and configuration of bamboo, Installation and configuration of Jira/Confluence
* Managed local deployments in **Kubernetes**, creating local cluster and deploying application containers.
* Administered cookbook source code repos for deployment cookbooks and implementing chef spec frameworks to make out cookbook issues at initial stages of authoring the recipes.
* Created Ansible playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
* **Docker** has been core to this experience, along with **Kubernetes**
* Used Jenkins for CI/Automation tool for Continuous Integration. Configured master and slaves to run various builds on different machines and used GIT as a Source Code manager, Maven and Gradle as a Build Tool.
* Extensively used Java Collection framework and Exception hand
* Created quality gates in SonarQube dashboard and enforced in the pipelines to fail the builds when conditions not met.
* Using Bash and **Python** included Boto3 to supplement automation provided by **Ansible** and **Terraform** for tasks such as encrypting EBS volumes backing AMIs.
* Implementing, maintaining and enhancing build processes using **Maven**, **Ant**, **ApacheIvy**, **Gradle**, **Groovy**, **MSbuild**, **NANT** and **Nexus**
* Used Splunk to centralize and analyze logs, **Nagios** is used for infrastructure and services monitoring and as an alerting solution. .
* Integrated **GitLab** into Jenkins to automate the code checkout process.
* Used **Kubernetes** to deploy scale, load balance, and worked on **Docker Engine**, **Docker HUB**, **and Docker Images** and **Docker Compose** for handling images for installations and domain configurations.
* Used **Docker** to virtualized deployment containers and push the code to EC2 cloud using PCF. Built additional Docker Slave nodes for Jenkins using custom built Docker images and instances.

**Environment**: AWS EC-2, Route 53, S3, VPC, Auto-Scaling, ELB, Splunk, Terraform, ELK, Shell Scripts, ANSIBLE, Unix/ Linux environment, Java, Python, Maven, Nexus, Chef, Jenkins, Docker, Nginx, Nagios, GIT, Agile, CloudWatch.

**Cyient, Hyderabad, INDIA Aug 2013 – Jul 2014**

**DevOps / Software Developer**

**Responsibilities:**

* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Chef, Puppet, or custom-built designing cloud-hosted solutions, specific AWS product suite experience.
* Used Amazon Web Services (AWS) to create new instances, checking the security group settings, adding and deleting the elastic IPs for the needed servers, applying the inbound IP addresses as needed.
* Configured various jobs in **Jenkins & Hudson** for deployment of Java based applications and running test suites.
* Used **Jenkins** for Continuous Integration and deployment into **Tomcat** Application Server.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Maven to schedule the builds.
* Developed build and deployment scripts using **Ant and Maven** as build tools in Jenkins to move into different environments and created new jobs and branches through Jenkins.
* Implemented **Continuous Integration** and **Continuous Deployment** using **Jenkins, ANT, Maven, Nexus and Ansible**.
* Used **Terraformscripts** to Automate Instances for Manual Instances that were launched before.
* Automated configuration management and deployments using **Ansible playbooks**.
* Used **Ansible** as Configuration management tool to automate repetitive tasks, quickly deploys critical applications, proactively manages change and well versed with Ansible Playbooks, modules, and roles.
* Extensively worked on creating **Docker files**, building the images, running Docker containers and managing Dockerized applications by using **Docker Cloud**.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using **Terraform**.
* Extensively used **Java** Collection framework and Exception handling.
* Worked in **DevOps** group running Jenkins in a Docker container with EC2 slaves in Amazon AWS cloud configuration. Also gain familiarity with surrounding technologies such as Mesos (Mesosphere) and **Kubernetes.**
* Built, configured and secured Virtual Machines for **Open stack** cloud environment
* Built Java based artifacts on the CM Server view using Maven, these Java based artifacts which includes war, ear and jar files for system testing and implemented configuration management (**SCM**) and change management (**CM**) using Clear Case.
* Performed automation engineer tasks and implemented the **ELK stack (Elastic Search, Log stash, Kibana)** for AWS EC2 hosts.

**Environment**: Python, Maven, Nexus, Ansible, Jenkins, Docker, Nginx, Nagios, GIT, Agile, AWS EC-2, Route 53, S3, VPC, Auto-Scaling, ELB, ELK, Shell Scripts, Java, Terraform, Unix/ Linux environment, spark.