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**SUMMARY:**

* Successful **Cloud DevOps Lead Engineer**, 11+ years of professional Experience dedicated to automation and optimization. Has experience with the Cloud, as well as DevOps automation development for Linux systems with major focus on **OpenStack**, Continuous Integration, Continuous Deployment, Configuration Management, Build/release Management tools like **Git, Jenkins, Maven, Ansible, Chef, Docker**, and Virtualization technologies which also includes Troubleshooting and Performance issues.
* Experience on **AWS** platform and its dimensions of scalability including **EC2**, **S3**, **EBS**, **VPC**, **ELB**, **AMI**, **SNS**, **SQS,SES, RDS**, **IAM**, **Route 53, GuardDuty, Macie, AWS Config, AWS inspector, Elastic ache (Memcached & Redis)** to reduce the latency**, Sage maker, Kinesis, Redshift, AWS Glue, Spark, Auto scaling**, **CloudFront**, **CloudWatch**, **CloudTrail**, **Athena, EMR, ECS, Lambda, RAM, Quick Sight, NACL, CloudFormation**, **OpsWorks**, **Security Groups, AWS Shield**.
* Proficient in deploying, configuring, and managing **OpenShift Container** Platform clusters, ensuring smooth operation and high availability of containerized applications.
* Implemented CI/CD pipelines for .**NET applications** using tools like **Jenkins**, **Azure DevOps**, or **AWS Code Pipeline**, enabling automated build, test, and deployment processes.
* Automated infrastructure provisioning and configuration management for .NET applications using tools such as **Terraform, AWS CloudFormation**, or **Azure Resource Manager (ARM)** templates, ensuring consistency and scalability.
* Worked on **AWS DevOps** tools like **AWS Code-Pipeline** to build a continuous integration or continuous delivery (**CI/CD**) workflow using **AWS Code-Build**, **AWS Code-Deploy**, and worked with many other **AWS** tools to **Build** and **deploy** a microservices architecture using **ECS** or **AWS Lambda**.
* Experience in Building and securing the Infrastructure on **AWS** using **IAM**, **EC2, EBS**, **S3**, **VPC**, **Elastic Beanstalk**, **CloudFront**, **Route 53**, **DynamoDB**, **Red Shift, RDS**, **KMS, ECS, ELB, EFS, Cloud Formation, Elastic Cache, Cloud watch, SNS, SQS, SES, AWS kinesis** focusing on High Availability, Fault-Tolerance and Auto Scaling.
* Experience in working with **AWS Code Pipeline** and Creating **Cloud formation JSON templates** and **terraform** for **infrastructure as code**. Automate **Datadog** Integrations through **Ansible Scripts** for QA, Regression and Production.
* Experienced in **Azure Cloud Services** (**PaaS** & **IaaS**), **Storage**, **Web Apps**, **Azure Kubernetes Service (AKS), Active Directory**, **Application Insights**, and **Logic Apps**, **ARM Templates**, **AZURE PowerShell** and **Azure CLI** concentrating on high-accessibility and auto-scaling. Extensive experience in **Azure Service Bus**, **Document DB** and **SQL** Database.
* Experience in various **Azure** Services like **Compute (Web Roles, Worker Roles)**, **Caching**, **SQL Azure**, **NoSQL**,
* **Storage and Network Services**, **Azure Active Directory, Internet of Things (IoT)**, **Azure Monitoring**, **API**
* **Management**, **Scheduling**, **Autoscaling**, **Web Apps, Logic Apps, Azure Identity & Access Management**, **Data Factory**, **PowerShell Automation** and other **Azure** Services.
* Prepared capacity and architecture plan to create the **Azure** Cloud environment to host **migrated IaaS VMs** and **PaaS** role instances for refactored applications and databases.
* Experienced in **migrating** on premise applications using **Terraform, terraform cloud, terraform VAULT** and **ARM templates** and used **Azure Site Recovery** and **Azure backups** for migrating storage to **Microsoft Azure** and deployed **Azure IaaS** virtual machines and Cloud services PaaS role instances into secure Subnets and Virtual Network.
* Experienced in **Google Cloud platform** in managing **Docker Containers**, **Kubernetes Clusters**, and implemented a production ready, load balanced, highly available, fault tolerant **Kubernetes** infrastructure and created **Jenkins Jobs** and **Spinnaker** pipeline to deploy applications to **Kubernetes Cluster**.
* Evaluated **Kubernetes** for **Docker container orchestration**. Managed **Kubernetes** charts using **Helm** and created reproducible builds of the **Kubernetes** applications, templatize **Kubernetes manifests**, provide a set of configurations parameters to customize the deployment and Managed releases of **Helm packages**.
* Experience in Building and deploying the application code using **CLI** of **Kubernetes** like **kubectl**, **kubelet**, **kubeadm**, **Kub spray** and Schedule the jobs using kube-scheduler, Managed **K8**s charts using **Helm** and created reproducible builds.
* of the **Kubernetes** applications and managed **Kubernetes** manifest files and releases of **Helm packages**.
* Experience in working with container-based deployments using **Docker**, **Docker images**, **Docker file**, **Docker Hub**, **Docker Compose** and **Docker registries**. Handled large volumes of container clusters with **Docker swarm**,
* **Kubernetes.** Involved in Configuring, automation and maintaining build and deployment **CI/CD** tools **GIT/GITHUB**, **Bitbucket**, **Jira**, **Confluence**, **Jenkins**, **Bamboo**, **Ansible**, **Chef**, **Docker**, **Kubernetes**, **Terraform**, **Nexus** and **JIRA** for Multi-Environment (**Local/POC/Dev/TestNON-PROD/PROD**).
* Proficient in automating build and configuration process using tools like **ANT**, **Maven, Gradle**, **Jenkins/Bamboo** and **Chef/Ansible**. Created Build Jobs and Deployments in **Jenkins**. Designed and Implemented a Micro services container **CI** and **CD** solution within **AWS/Azure** leveraging **Git**, **Jenkins**, **Docker**, **Terraform**, **Ansible** and **Kubernetes** Services.
* Installed and configured **Chef Servers** and bootstrapped chef client nodes for creating data bags. Managed **Chef Cookbooks** to automate system operations. Used **Kubernetes** to deploy **Docker** containers into **Pod Clusters** on multiple Nodes in QA, Test and Production Environments.
* Experience in working with System health and performance Monitoring Tools like **Nagios**, **Splunk**, **Cloud Watch**, **Elasticsearch**, **Kibana**, **AppDynamics**.
* Expertise in **WAMP** (**Windows, Apache, MYSQL, and Python**) and **LAMP** (**Linux, Apache, MySQL, and Python**)
* Experience in working on web servers like **APACHE HTTP server**, **NGINX**, **Apache TOMCAT** and application servers like **Web logic**, **Tomcat**, **WebSphere**, **IIS, JBOSS** to deploy code and Experience in Installation, configuration, and management of **RDBMS MySQL**, **DB2** and **NoSQL** tools **PostgreSQL**, **Cassandra, MongoDB and DynamoDB.**
* Experience in defect management systems **Remedy**, **OTRS**, **JIRA**, **Service now, Rally** and Knowledge on testing frameworks **Junit**, **Selenium**, big data components **Kafka, Hadoop, Spark, and Confluence** for Documentation.
* Experience in **System Administration**, **System Builds**, **Server builds**, **Installs**, **Upgrades**, **Patches**, **Migration**,
* **Troubleshooting**, **Security**, **Backup**, **Disaster Recovery**, **Performance Monitoring** and **Fine-tuning** on **UNIX** (**Red Hat Linux**) Systems. Proficient with **Shell**, **Python**, **Ruby**, **Perl**, **PowerShell**, **JSON**, **YAML**, **Groovy**, **Bash** scripting.
* Implemented Kafka on AWS, Designed, deployed, and managed Apache Kafka clusters on AWS, utilizing services like Amazon EC2, Amazon EBS, and Amazon VPC to ensure scalability, fault tolerance, and high availability.
* Expertise in **Scrum** Methodologies such as **Agile** and **Waterfall methods**, **software development lifecycle management**, **continuous integration**, **build and release management** and managed environments.
* Involved extensive work towards code compilation, packaging, building, debugging, automating, managing, tuning and deploying code across multiple environments and **Linux Administration**. Expertise in improving build & deployment tools.
* in **DevOps** through automation using scripting languages such as JavaScript, **PowerShell**, **Bash**, **Perl**, **JSON**, **Ruby**, **Groovy** and **Python**.
* Implemented robust security measures for Kafka clusters on AWS, including encryption in transit and at rest, IAM role-based access control, and network ACLs, ensuring data confidentiality and integrity.

**TECHNICAL SKILLS:**

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| Cloud | AWS, Azure, OpenStack. |
| Infrastructure as a code Tools | Terraform, AWS CloudFormation, Azure Resource Manager (ARM), Ansible. |
| CI/CD Tools | Jenkins, Bamboo, GitLab |
| Configuration Management Tools | ANSIBLE, CHEF, PUPPET. |
| Build Tools | ANT, MAVEN, GRADLE |
| Container Tools | Docker, Kubernetes, OpenShift, Apache Mesos, Azure Kubernetes Services, Google Kubernetes Engine, Elastic Kubernetes Service (EKS), Amazon Elastic Container Service (ECS), Azure Container Service (ACS), Docker Swarm. |
| Version Control Tools |  GIT, GitLab, CVS, SVN, Bit Bucket, GitHub. |
| Monitoring Tools |  Cloud watch, CloudTrail, Nagios, Prometheus, Splunk, ELK, Stack driver, Grafana. |
| Scripting & Programming language | Bash/Shell, Python, Ruby, power shell, JSON, YAML, Groovy, Perl, Java, JavaScript. |
| Databases | My SQL, Oracle 9i/10g/11g, MS Access, DB2, NoSQL (MongoDB, DynamoDB) |
| Web Servers | Apache HTTP, Nginx, Apache TOMCAT. |
| Application Servers | WebLogic 9.x/10.x, WebSphere 6.x/7.x/8.x, JBOSS 4.1. |
| Networking | DNS, DHCP, SMTP, HTTP, SNMP, TCP/IP, OSI, Firewalls, Switches, Route table. |
| Test Automation | JUnit, Selenium |
| IDE Tools | ECLIPSE IDE, NETBEANS, Visual Studio. |
| Operating Systems | Linux (Red Hat 4/5/6/7), UBUNTU, UNIX, WINDOWS NT/2000/2003/XP/VISTA/7/8/10. |
| Virtualization Tech | VMware vSphere, ESXi 5.x/4.x, ESX /3.x VMware Workstation, Oracle Virtual box. |

**EDUCATION:**

* Masters in Business Administration, Sikkim Manipal University India – 2011.
* Bachelors in Computer Application, University of Madras, India – 2003.

**CERTIFICATIONS:**

* Associate solution Cloud Architect Certification in AWS Platform.
* Microsoft Azure Administration - MS-104 and also on Microsoft Virtualization MS-140.

**PROFESSIONAL EXPERIENCE:**

**Client: AXA Life Insurance - UK.**

**Role: Sr. Cloud DevOps Lead Engineer Sep. 2022- Dec-2024.**

**Responsibilities:**

* Working on various **Functional Aspects** like Development, Automated testing, Deployment, Infrastructure, with project teams on different applications on hybrid Cloud environment and multiple DevOps tools to ensure continuous operation of Build, Test, Security, Release.
* Integrated Kafka with various AWS services such as Amazon S3, Amazon DynamoDB, and Amazon Redshift to enable seamless data transfer, storage, and analytics, enhancing data-driven decision-making capabilities.
* Conducted performance tuning and monitoring of Kafka clusters on AWS using tools like Amazon CloudWatch and Grafana, optimizing resource utilization, and ensuring smooth operation under varying workloads.
* Involved in **Architecting**, **building** and **maintenance of** Highly Available secure multi-zone **AWS and Azure** cloud infrastructure utilizing **Ansible** with **Terraform** and **Jenkins** for **Continuous Integration**. **Migrated** services from a managed hosting environment to **AWS and Azure cloud** including service design, network layout, data migration, automation, monitoring, deployments and cutover, documentation, overall plan, cost analysis, and timeline. Migrated SQL server Database from on-premises to AWS SQL server using **AWS Database Migration Service** by creating a **source and destination endpoints** and Monitored each Databases respectively. Demonstrated a **Heterogeneous Database Migration** from On-premises to AWS by converting the SQL Server Database schemas to **AWS Aurora**.
* Integrated **AWS DynamoDB** using **AWS Lambda** to store the values of the items and backup the **DynamoDB** streams.
* Developed **ETL** pipelines to process and persist company client data using **AWS Kinesis Firehose** for streaming and **Redshift** for storage and analysis. Used **AWS Kinesis** Stream and **firehose** for streaming the data from one end to the other.
* Designed and implemented microservices architectures on **OpenShift,** breaking down monolithic applications into smaller, decoupled services for easier management, scalability, and resilience.
* Highly proficient in writing **lambda** functions to automate tasks on **AWS** using CloudWatch triggers, S3 events as well as **DynamoDB** streams and **kinesis** streams.
* Implemented CI/CD pipelines using **OpenShift's** built-in capabilities or integrating with tools like Jenkins, GitLab CI/CD, or Tektone to streamline application development, testing, and deployment workflows.
* Worked in Azure Development and **Azure Compute Services,** worked on **Azure Web Applications,** **Azure SQL Database,** **Content Delivery Network**, **Virtual machines,** **Azure Active Directory**, **Key Vault,** **Azure VPN Gateway,** **Azure Fabric,** **Azure search**, **App services**, **Notification hub.** Created **Azure Resource Manager (ARM) templates** with **JSON** for deployments and managed **Azure Virtual Networks (VNETs)**, **Storage Containers**, **Document DBs**, **Cosmos DBs** and **Monitored logs** using **KUDU**. Implemented idea of secret management for micro services and creating service and ingress rules for each micro service. Worked on setting up the **Kubernetes sandbox** on **Azure Kubernetes Services (AKS)** for testing the different features.
* Implemented Workload Management (WML) in **Redshift** to prioritize basic dashboard queries over more complex longer-running ad hoc queries.
* Responsible for Designing Logical and Physical data modelling for various data sources on Confidential Redshift. Designed and Developed **ETL** jobs to extract data from Salesforce replica and load it in data mart in **Redshift.** Wrote scripts and indexing strategy for a **migration** to Confidential **Redshift** from **SQL Server** and **MySQL** databases.
* Implemented Large Scale Cloud Infrastructure using **AWS** resources - **IAM**, **Elastic IP**, **Elastic Storage**, **Auto Scaling**, **VPC** (**NAT, Peering, VPN**), **EC2**, **EBS**, **API**s, **ELB**, **Route 53**, **RDS**, **SES**, **SNS**, **SQS**, **OpsWorks**, **Red Shift**, **Glacier**, **RDS**, **CloudFront**, **KMS**, **S3**, **Elastic Map Reduce (EMR), Lambda, AWS IoT**, **LAMBDA (Server less)**, **Elastic Beanstalk**, **ECS**, **EKS**, **Cloud Trail**, **API Gateway**, **Snow Ball**.
* Redesigned a list management system to run as a scalable micro service within the **Amazon cloud (AWS)** using **Amazon Kinesis** and **Lambda.** Used **Bash** and **Python**, included **Boto3** to supplement automation provided by **Ansible** and **Terraform** for tasks such as encrypting **EBS** volumes, backing **AMI**s and scheduling **Lambda functions** for **AWS** tasks.
* Provided **Systems Administration support** for various **AWS** services and established, contributed and maintained system security standards, **Lambda**, **AWS Firewall**, **Security Hub**, **IAM** Configuration Experience**, IAM Service Control Policies (SCP), IAM Users**, **Roles**, and **Security Policies**, **AWS SSO**, **AWS** Service Endpoint Policies (S3, EBS, Route 53).Worked on analyzing pattern requirements, created user stories, sub-tasks, distribute story points, expected hours for the subtasks on **JIRA** and developed **Python and shell scripts** for automation of the build and release process.
* Worked a lot on **Terraform templates** to create and deploy infrastructure like **S3** and **DynamoDB** as backend, **custom-sized VPC**, **subnets**, **route tables** as Networking and Deployed **EC2** instances, **ELB**, **security groups** for deploying **Jenkins** as a cluster of **Jenkins Maste**r and **slave nodes** using **ECS service.**
* Worked on **AWS EKS**, for deploying **docker images** that are already being used in **On-prem** applications as a part of migrating the application to cloud.
* Worked on **Docker** to package an application with its dependencies into a standardized unit for Development and created custom docker images, tagging, and pushing the images to **ECR** required for **AWS batch and AWS Fargate** deployments and automated the installation **of Plugins using a Docker file** and **Plugins.txt file**.
* Worked on **Docker** service rolling updates to implement zero downtime PROD deployments. Worked with Docker Trusted Registry as a repository for our **Docker images.** Ran multiple Applications by **Docker Compose** and used **Docker Weave** for Network communication between Containers. Involved working on several Docker components like **Docker Engine**, Hub, Machine, Compose and Docker Registry.
* Worked on **Docker hub**, creating **Docker images** and handling multiple images primarily for middleware installations and domain configurations.
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing Directory structures. And managing containers. Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins**.
* Worked with **Azure Kubernetes Service** to provision fully **managed clusters** with automatically configured monitoring capabilities based on **Prometheus** and used **Azure Adviso**r to optimize **Kubernetes** deployments and elastically added compute capacity and deployed only **validated images** to **private container registry** by dynamically enforcing the **guardrails** defined in **Azure Policy** as a part of **CI/CD workflows** and Automated **threat detection and remediation** using advanced analytics from **Azure Security**.
* Handled several **Docker** components like **Docker Engine**, **Hub**, **Machine**, **Compose** and **Docker Registry** and experience with **Docker** container service and Dockerized applications by creating **Docker images** from **Docker files** and running them to develop the **Docker containers** and **Docker consoles** for managing the application life cycle.
* Used **MAVEN** for the building of deployable Artifacts such as Jar files from source code. Experience in using **Nexus** and **Artifactory** Repository Managers for **Maven** builds. Configured and Administered **Nexus Repository Manager**.
* Used **Jenkins pipelines** to drive all **micro services** builds out to the **Docker registry** and then deployed to **Kubernetes**, created **Pods,** and managed using **Kubernetes** and created **Advanced Jenkins Pipeline** with Jenkins Pipeline Scripted Syntax to Trigger Other Remote Jobs on Other Jenkins Masters and Automated the deployment of Java and .Net. Applications with the use of **Jenkins**.
* Expertise in End-to-End **Migration** from On-prem to cloud and their various services like **Team Foundation Server (TFS**) (install, upgrade, configuration of Confidential TFS, 2017, 2018, ADS 2019.1 and VSTS (**Azure DevOps Services**).
* Involved in configuration for **Webapps/Functionapps**, **V-net integration**, **HCM**, **Application gateway**, **App Insights**, **Active directory**, **Azure Key Vault**, **Encryption** and **Security** on **Azure**.
* Deployed and optimized multi-tier **Java**, **Python** 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.
* Worked on analyzing pattern requirements, created user stories, sub-tasks, distributed story points, expected hours for the
* subtasks on **JIRA** and developed **Python and shell scripts** for automation of the build and release process. Integrated **Maven/Nexus**, **Jenkins**, Urban Code Deploy with Release for **Git**, **Jira**.
* Deployed **JAR and J2EE** applications on **Apache tomcat** server using **Jenkins** for auto deployment and Worked with development, testing teams to **create fully automated CI/CD Pipelines** using **AWS** and **Jenkins** with **groovy scripting**, **bash** to implement pipeline to create **Jenkins jobs** and Setup **Continuous integration** with **Jenkins** and worked with multiple plugins available to setup smooth developer friendly workflows and educated developers on how to commit their work and how can they make use of the **CI/CD** pipelines that are in place.
* Deployed and configured **Ansible Server**, experience in writing **Ansible Modules** to automate repetitive tasks, deploying critical applications, managing the changes in instances, and managing multiple nodes. Wrote several Playbooks and created various roles for applications using Ansible and deployed the **Applications/Services** on the **client hosts.**
* Experienced in Installing, Configured and management in **Ansible Centralized Server** and creating the **playbooks** to support various middleware application servers and involved in configuring the **Ansible tower** as a configuration management tool to automate repetitive tasks.
* Worked **with Elasticsearch** for index management, shared allocation and snapshot the data to a different repository for **disaster recovery, log stash** for data parsing extracted values from text messages and dealt with the increase of load on the log stash servers and to restrict access to certain info in **Kibana**, used role based access and designed an **ELK** system to monitor and search enterprise alerts and configured **ELK** stack in conjunction with **AWS** and using Logstash to output data to **AWS S3** and terminated SSL on to **Nginx** to remove overhead on **API** servers.

**Environment:** AWS, AZURE, Azure Migration, Azure Devops, Docker, Kubernetes, ACR, AKS, Jenkins, Nexus, Ansible, Terraform, JIRA, Nginx, Python, GIT, Maven, Shell scripting, JSON, Bash, Boto3, ELK, ECS, EKS, Linux, Java, Apache Tomcat, groovy scripting, Ansible Tower.

**Client: Novartis Life Sciences India**

**Role: Cloud DevOps Lead Engineer Nov 2018 – Sep 2022.**

**Responsibilities:**

* Created **Azure** Automation Assets, **Graphical runbook**, **PowerShell runbook**, deployed **Azure** 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**.
* Configured **Continuous Integration** from source control, setting up build definition within **Visual Studio Team Services (VSTS)** and configured **continuous delivery** to automate the deployment of **ASP.NET MVC** applications to **Azure web apps** and managed **Azure Active Directory**, **Office 365** and applied upgrades on a regular basis.
* Implemented a server-less architecture using **API Gateway**, **Lambda**, and **DynamoDB** and deployed **AWS Lambda** code from **Amazon S3** buckets.
* Experience in creating **ARM templates** for **Azure** platform and in migrating on premise to Windows **Azure** using **Azure Site Recovery** and **Azure backups** and created and configured **HTTP** Triggers in the **Azure Functions** with Application insights for monitoring and performing load testing on the applications using the **VSTS**.
* Created and **Maintained MS Azure Cloud Infrastructure** and Virtual Network between MS Azure Cloud and On-premise network for backend communication and expertise in deploying **Azure AD connect**, configuring ADFS installation using **Azure AD connect** and Handled **migration of** on-premises applications to the cloud and created resources inside cloud and expert in deploying of **OpenStack** hosted applications on **Azure platform** and resolve issues related to **RDP** of **Azure Infrastructure**.
* Configured Azure DevOps release pipelines to deploy .Net applications to Azure App service, enabling rapid and reliable applications deployment.
* Ensured in **Azure services** beyond basic **IaaS** functionality and Used **Azure Resource Manager** (**ARM**) to deploy, update, or delete all the resources for your solution in a single, coordinated operation. Used **Azure Terraform** to deploy the infrastructure necessary to create development, test, and production environments. Involved on **migrating SQL Server** databases to **SQL Azure Database** using **SQL Azure Migration** Wizard and used **Python** API to upload agent logs into **Azure blob storage**.
* Written **Chef Cookbooks**, recipes using **Ruby** to automate the installation of Middleware Infrastructure like **Apache Tomcat**, **JDK**, and configuration tasks for new environments. Executed the automation from commit to deployment directly into **Azure VM** by implementing a **CI/CD pipeline** with the help of **Jenkins** and **Chef**. Setting up **Chef Infra**, **bootstrapping nodes**, creating and uploading recipes, node convergence in **Chef SCM**.
* Designed strategies for optimizing all aspects of the **continuous integration**, **release** and **deployment** processes using **container** and virtualization techniques like **Docker** and **Kubernetes**. Setup **Docker** to automate container deployment through **Jenkins** and Dealt with **Docker Hub**, making **Docker Images** and taking care of various Images essentially for middleware establishments. 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.
* Configured applications that run multi-container **Docker** applications by utilizing the **Docker- Compose** tool which uses a file configured in **YAML** format. Used **Kubernetes** to manage containerized applications using its nodes, **Config-Maps**, **selector**, **Services** and deployed application containers as **Pods**.
* **Deployed configuration management** and provisioning to AWS using **Packer-Docker and Terraform**, involved in auto- mated deployment of **EBS onto the AWS Cloud EC2 instance server** and automated the complete deployment environment on **AWS.**
* Worked on configuring and administering of **Splunk** clusters, analysis and maintained logs. Installed **Splunk** in **production servers** for logging purpose and built **Splunk** dashboards for application monitoring and configured alerts for operational purpose, scanned and analyzed the builds using the **SonarQube** for effective coding practices. **Migrated** a production infrastructure into an **Amazon Web Services VPC** utilizing **AWS CloudFormation**, **EC2**, **S3**, **Chef/OpsWorks**, **CloudWatch**, **CloudTrail**, **EBS**, **Route 53**, **IAM** etc. This included migrating a number of production **MySQL databases** into **RDS/ ElastiCache**, rewriting a large set of monolithic recipe-based cookbooks as Provider and Attribute-driven wrapper **cookbooks** Automated **Datadog** Integrations through **Ansible Scripts** for QA, Regression and Prod environments and set up Datadog dashboard and alerts with the stack through **Terraform** Scripts and Integrated Datadog in **Jenkins pipeline**.
* Responsible for applying the Corporation's Software **Configuration Management** processes to projects, setting up and maintaining **GitHub** infrastructure and supporting a **continuous delivery** model by automating software build and package **migration** processes. Created the branches in **GIT** to implement the parallel development process.

**Environment:** AWS, AZURE, Azure Migration, Docker, Kubernetes, Jenkins, Nexus, Ansible, Terraform, JIRA, Nginx, Python, GIT, Maven, Shell scripting, JSON, Bash, ECS, AKS, Linux, dot NET, Apache Tomcat, Chef, Splunk, SonarQube.

**Client: UBS Singapore Mar 2014 - Aug-2022**

**Role**: **DevOps Engineer**

**Responsibilities:**

* Setup and build **AWS** infrastructure various resources, **VPC**, **EC2**, **S3**, **IAM**, **EBS**, **Security Group**, **Auto Scaling**, and **RDS** in **Terraform**. Developed strategy to migrate Dev/Test/Production from an enterprise VMware infrastructure to the **IaaS Amazon Web Services** (AWS) Cloud environment including runbook processes and procedures.
* Used **AWS Beanstalk** for fast deploying, scaling and load balancing of web applications and services developed with **Java**, **PHP**, **Python**, and **Docker**.
* Deployed configuration management and provisioning to **AWS** using **Packer** and **Terraform**, involved in auto-mated deployment of **EBS** onto the **AWS Cloud EC2** instance server and automated the complete deployment environment on **AWS**. Worked on **AWS Kinesis Firehose, AWS Kinesis** Analytics and **AWS Quick Sight** to receive data from the **AWS IoT**, analyze it and display the IoT data in the **Quick Sight** dashboards.
* Worked on **AWS Beanstalk** for deploying and scaling web applications and services with Java, PHP, Python and to perform health checks. Integrated **AWS Lambda** with **AWS DynamoDB** to automatically respond to events in **DynamoDB streams**.
* Containerized **legacy Java and Node Js applications** and run it in **AWS Elastic Kubernetes Service**. Auto-scaled the application in both pods level and instance level.
* Designed and configured **Azure Virtual Networks (VNets),** subnets, **Azure** network settings, DHCP address blocks, DNS settings, security policies and routing and worked on Installing and Configuring AD FS role on Domain Controllers, deploy WAP Server for the users to reach AD FS out of company network and Worked on **various Azure services** like Compute (Web Roles, Worker Roles), **Azure** Websites, Caching, SQL **Azure**, NoSQL, Storage, Network services, **Azure** Active Directory, API Management, Scheduling, Auto Scaling, and **PowerShell** Automation.
* Created **Ansible Playbooks** to provision **Apache Webservers**, **Tomcat servers**, **Nginx** and other applications. Used file module in **Ansible** playbook to copy and remove files on remote systems.
* Automated repetitive tasks, deployed applications, managed changes and automated software update and verified functionality using Configuration management tool **Ansible**.
* Designed and developed **Continuous Integration & Continuous Delivery pipelines** using **Code Pipeline**, **Code Build** and **Code Deploy**. Involved in software builds and evaluation, creating directories and security groups, and recreating prior versions. Monitored software, and /or middleware update utilizing technologies like **Jenkins**.
* Initialized ticketing and tracking using **JIRA**. Utilized **JIRA** in reporting the performance issues by doing analysis, tracking of systems, and used **Confluence** to create, share and discuss content and projects.
* Installed, Configured, and Managed **Monitoring Tools** such as **Nagios** for Resource/Network Monitoring.
* Created scripts in **Python** to automate log rotation of multiple logs from web servers and wrote shell scripts to automate the process of adding **SSH-keys**, generating passwords in python.

**Environment:** AWS, AZURE, Docker, Kubernetes, AWS Code Build/Code Deploy, Nexus, Ansible, Terraform, JIRA, Nginx, Python, GIT, Maven, Shell scripting, JSON, Bash, ECS, AKS, Linux, Java, Apache Tomcat, Nagios.

**Client**: **Cognizant , Hyderabad, India Oct-2013 - Feb 2014**

**Role**: **Build and Release Engineer**

**Responsibilities:**

* Deployed the infrastructure on **AWS**, utilizing services such as **EC2**, **S3**, **VPC**, **ELB**, **EBS**, **IAM**, **ECS**, **Autoscaling**, **RDS**, **Subnets**, **Elastic IP**, **Route53**, **CloudWatch**, **CloudFront**, **Lambda**, **CloudFormation**, **ElastiCache**, **CloudTrail**. Created user accounts for the Dev, Testing, QA, production teams and added them into different groups and assigned respective roles to each group using **AWS IAM.**
* Administered **RedHat Linux 4.x/5 servers** for several functions including managing **Apache Tomcat Server**, **Mail Server**, **MySQL** database and Firewalls in both development and production environments.
* Worked on tools **migration** from old tools like PVCS version control system to **GIT**, Tracker to **Jira** and **CI** tool to **Jenkins**. Partially worked as build tools administrator **GIT**, **JIRA**, and **Jenkins**.
* Developed build and deployment scripts using **Maven** as build tools in **Jenkins** to move into different environments and create new jobs and branches through **Jenkins**.
* Integrated **Maven** with **GIT** to manage and deploy project related tags and managed **Maven repositories** to download the artifacts during the build. Involved in writing and organizing **Shell** and **Perl** scripting for building complex software systems.
* Configure the **Web Logic** handler for the **Apache Web server** to serve static files (**AngularJS**, **HTML**, and **images**). Configure **Git** with **Jenkins** and schedule jobs using the **Poll SCM** option.
* Administered and Installed **JFrog Artifact repository** to deploy the artifacts generated by **MAVEN** and to store the dependent jars, which are used during the build.
* Used **Jenkins** as a continuous integration tool: creating new jobs, managing required plugins, configuring the jobs selecting required source code management tool, build trigger, build system and post build actions, scheduled automatic build, notifying the build reports. Used **JIRA** tool to track all the defects and changes related to the Build and Release Team.
* Installed and configured **MySQL** and **oracle database** on **Linux servers**. Solid understanding of **Linux, shell** and **Perl scripting UNIX**, **Windows**, **build and release** engineering principles.

**Environment:** AWS, Jenkins, Nexus, JIRA, Nginx, Python, GIT, Maven, ANT, MySQL, Perl, Oracle, JBoss, Shell scripting, Bash, Linux, Java, Apache Tomcat.