**Professional Summary:**

* Over 10 years of IT experience as Cloud/DevOps Engineer, Linux Administrator, Test Engineer. Build/Release Management with Continuous Integration (CI) & Continuous Deployment/Delivery (CD) as an iterative process and Automation of infrastructure including end-to-end code configuration using different tools, and Azure cloud services..
* Experienced in Cloud service platforms like, **Microsoft Azure** and **Amazon Web Services.**
* Proven experience in building and deploying CI/CD pipelines.
* Experienced in provisioning/automating multiple operating systems including RHEL/Centos, Ubuntu windows using tools like **Chef/Puppet/Ansible**.
* Implemented CI/CD pipelines by integrating tools like **Git, Maven, Jenkins, Nexus, and Chef** etc.
* Experienced as **Kubernetes DevOps Engineer** with 4 years of expertise in designing and implementing scalable solutions for microservices architecture. Proven track record in reducing deployment time by 50%, infrastructure costs by 25%, and increasing application performance by 20%. Skilled in **CI/CD** pipeline, autoscaling, security policies, service mesh, backup and disaster recovery, monitoring and logging, storage, networking, and infrastructure as code solutions.
* Experienced in System Administration, System Builds, Server builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Performance Monitoring and Fine-tuningon **UNIX** **Red Hat Linux Systems**.
* Producing detailed Release plans control Release Scope and monitoring milestones and managing the implementation roll out.
* Experienced in defining various branching, Labeling and merging strategies
* Experienced as an Admin in BizTalk Server 2009.
* Good Experience in trouble shooting the problems generated while building, deploying and also in production support.
* Experienced in performing merges and branch management.
* Well exposed in build and release systems for web-based software systems
* Deliver new and complex high-quality solutions to clients in response to varying business requirements
* Ability in managing all aspects of software configuration management process including code compilation, packaging, deployment, release methodology and application configuration
* Software Configuration Management Support with Extensive experience in setting up baselines, branching, merging, Version Control Systems, Integrated Management, Build/Release Management and Requirement Management and automation processes.
* Expertise on **Linux** **administration** like installing, configuring, tuning and upgrading. With moderate knowledge on shell scripting.
* Experienced in Managing/Tracking the defects status by using **JIRA** tool and Planning & resolving the issues as per SLA.
* Experienced in Unit testing and Integration testing with excellent debugging skills.
* Managed all the bugs and changes into a production environment using the **Jira** tracking tool.
* Performed Servers consolidation and virtualization using VMware virtual infrastructure, VMware ESX, Virtual Center, VM tools.
* Created Custom as well as downloaded pre-written **Modules and Manifests**, Worked and utilized **Puppet hierarchy files, facts, and global variables.**
* Strong troubleshooting and analytical skills.
* Excellent communication skills, both written and oral.
* Ability to work independently in a fast-paced environment with minimal oversight.
* Willingness to learn new technologies and tools.

**Technical Skills:**

|  |  |
| --- | --- |
| **Cloud Tools** | AWS/AZURE/GOOGLE CLOUD/OPENSTACK |
| **Versioning Tools** | CVS, Tortoise SVN, ClearCase, GIT. |
| **Configuration Management Tools** | Chef, Ansible, Puppet, Salt Stack |
| **SDLC** | Scrum, Agile and Waterfall |
| **Operating Systems** | Windows, UNIX, LINUX (RHEL, RedHat, Centos). |
| **Versioning Tools** | CVS, Tortoise SVN, ClearCase, GIT. |
| **Build Tools** | ANT, MAVEN, Gradle and MS Build. |
| **Networking Protocols** | TCP/IP, HTTP/HTTPS, SOAP, FTP, SFTP, Telnet, SSH, SSL |
| **CI/CD Tools** | Bamboo, Hudson/Jenkins, Team city |

Professional Experience:

**Humana, Louisville, KY**  **Jan’2021 – Till Date**

**Azure DevOps Engineer**

**Responsibilities:**

* Working as Cloud Administrator on **Microsoft Azure,** involved in configuring virtual machines, storage accounts, resource groups.
* Managed virtual cloud **GCP** Resources as required with and overall objective of improving scalability, performance, and reliability and highly available fault tolerant cloud infrastructure.
* Maintained image for **GCP** workspace including **product deployments, patches, and hotfixes** and also worked on migration of the services from **GCP** to **Azure**
* Define cloud network architecture using **Azure** virtual networks, **VPN** and express route to establish connectivity between on premise and cloud
* Built largely open source technology such as **Docker, Kubernetes, Terraform** and leveraging multiple cloud platforms both public and private to deliver a ubiquitous and consistent global platform for continuously deploying applications.
* Experienced in installing, configuring, and troubleshooting application platforms, with a preference for experience in working with Java web application platforms (e.g., Tomcat, WebSphere, JBoss, etc.)
* Built **Azure DevOps** built and releasejobs to create GCP infrastructure from **Azure DevOps** repos containing **Terraform** code and also made use of **Splunk** monitoring tool for monitoring mule logs in all instances in different environments
* Worked on OAuth 2.0 security scheme configuration based on client credentials and resource owner password credentials and configured firewall policies for Data Power.
* Installed and configured the **Mulesoft** in the **GCP** servers and deployed the **Mulesoft** applications to **Mulesoft** **Runtime** using the **AzureDevOps** build and release pipeline.
* Built largely open source technology such as **Docker, Kubernetes, Terraform** and leveraging multiple cloud platforms both public and private to deliver a ubiquitous and consistent global platform for continuously deploying applications.
* Experienced in installing, configuring, and troubleshooting application platforms, with a preference for experience in working with Java web application platforms (e.g., Tomcat, WebSphere, JBoss, etc.)
* Built **AzureDevOps** built and releasejobs to create GCP infrastructure from **AzureDevOps** repos containing **terraform** code and also made use of **Splunk** monitoring tool for monitoring mule logs in all instances in different environments.
* Configure various actions while defining rules and policies like Transform action, AAA Action, Encryption, Decryption, Filter action, Validate, Route and various others, and Create Crypto profiles, SSL proxy profiles as part of SSL implementation.
* Created Splunk dash board as per the client requirement
* Provided technical solution to the business requirements and creating detailed documents for all the tasks which are performed daily
* Coordinate and link the computer systems within an organization to increase compatibility and so information can be shared
* Use object-oriented programming languages, as well as client and server applications development processes and multimedia and Internet technology.

**Environment:** APIC, Azure, GCP, Splunk, Mule Application, Mule Any point studio, Anypoint platform, Shell Scripts, EFK, CloudWatch, Terraform, Cloud Formation, Deployment Manager

**General Motors. Detroit, MI** **Nov’2019 – Dec’2020**

**Azure DevOps Engineer**

**Responsibilities:**

* Creating and maintaining containerized micro services and configuring/maintaining private container registry on Microsoft Azure for Hosting Images and using Windows Active Directory.
* Planning and implementation of data and storage account solutions for azure files, Queue storage and blob storage.
* Worked on Azure DevOps services such as Azure Repos, Azure Boards, and Azure Test Plans to plan work and collaborate on code development, built and deployed application.
* Designed and implemented database schema, created tables and indexes, and configuring security settings for Azure SQL DB
* Implemented advanced branching strategies in Azure ADO to support parallel development efforts, code isolation, and efficient code integration, enhancing team collaboration and code quality.
* configuring database-level security settings, creating users and roles, and implementing access controls to ensure that only authorized users have access to correct schema.
* Managed servers on the Microsoft Azure Platform Azure Virtual Machines instances using Ansible Configuration Management and created Ansible Playbooks, tasks, and roles to automate system operations.
* Hands on experience on using Terraform for infrastructure provisioning.
* Worked with Terraform for automating VNET, NSG, AKS, ACR, VMs, and Storage accounts to replace the rest of our infrastructure.
* Designed and implemented CI/CD pipeline for Azure app services and responsible for monitoring the performance and availability of Azure App Services and troubleshooting any issues that arise.
* Extended working knowledge in azure networking services, Configured VNETs and subnets as per the project requirement. created and maintained NSG rules.
* Experience building CICD pipelines (Build and deployment of Azure Services and applications based on Nodejs and python
* Hands-on experience with Azure Arm Template(ARM) , PowerShell and Shell /Bash scripting, Terraform, Python, Helm charts
* Hands-on experience and Knowledge with Docker and Azure Kubernetes deployments
* Good understanding and solid experience with products such as:  Azure DevOps, Git, GitHub, GitHub Actions, Anisble, Hashicorp, Rancher etc.
* Experience with Networking, Load balancers, DNS and Azure services
* Comfortable working in a fast-paced environment and work independently with minimal oversight
* Created Ansible roles in YAML and defined tasks, variables, files, handlers, and templates.
* Process and Implementation - Extensive experience implementing software throughout the SDLC process, deep hands-on experience of networking, migration, and implementation in Azure.
* Extensive experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement and performed PowerShell scripting to do Patching, Imaging, and Deployments in Azure.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, and Docker, on GCP (Google Cloud Platform).
* Worked with Terraform scripts to automate the Azure Iaas virtual machines using terraform modules and deployed virtual machine scale sets in production environment.
* Developed and maintained Continuous Integration (CI) using tools in Azure DevOps (VSTS) spanning multiple environments, enabling teams to safely deploy code in Azure Kubernetes Services (AKS) using YAML scripts and HELM charts.
* Worked on creating, configuring, and managing AKS clusters in Azure, including managing node pools, configuring networking, and setting up load balancing.
* Enhanced security within Azure ADO by implementing access controls, permissions, and secure coding practices, ensuring the integrity and confidentiality of code and sensitive data.
* Managing the Azure Kubernetes Services (AKS) policies, providing access to different Azure resources and developing and improving the workflows that govern access.
* Monitoring and troubleshooting Kubernetes clusters using Prometheus Grafana.
* Extensive involvement in Azure Backup, Azure Policies, Azure Key Vault.
* Developed and implemented processes and procedures for Linux OS patching.
* Collaborated with other teams to ensure patching activities do not impact critical business operations.
* Managed and maintained multiple GitHub repositories and responsible for managing Pull requests.
* Developed and implemented access controls in GitHub to ensure that only authorized users have access to sensitive data and repositories

**Environment:** Azure DevOps Services, Azure Kubernetes Services, Linux, Bash, GIT, and Docker, on GCP (Google Cloud Platform).

**CVS Pharmacy, Buffalo Grove, IL** June **2018 – Sep 2019**

**DevOps Engineer**

**Responsibilities:**

* Designed the data models to use in **AWS Lambda** applications which are aimed to do complex analysis creating analytical reports for **end-to-end traceability** and definition of Key Business elements from **Aurora.**
* Wrote **Lambda** functions in python for AWS Lambda and invoked **python** scripts for data transformations and analytics on large data sets in **EMR clusters** and **AWS Kinesis data streams**.
* Worked on **Amazon Kinesis** for monitoring and get the logs of the servers and to check the applications data and metric using the dashboard.
* Integrated the **Amazon Kinesis** with **S3** bucket to store the generated application data logs.
* Designed scalable and highly available Domain Name System (DNS) within **AWS Cloud** to route traffic to AWS Cloud from users connected using AWS Direct Connect for larger deployments.
* Utilized **AWS** Migration services to migrate on premise **MySQL** Databases to **MySQL** RDS. Used AWS Secrets Manager to safely store the Database Passwords. Created and configured an IPsec VPN tunnel between on premise and AWS using Open swan VPN.
* Provisioning of **EC2** instances, built via **Chef**, and integrated into local area offices in 4 time zones. **Amazon RDS**, **VPC construction**, **Security Group policies**, **IAM**, **Route 53**, **Cloud Formation**, **S3**, **Glacier** and **OpsWorks**.
* Documented design and implementation for production deployment.
* Configured SLM policies and SLM Peer groups in DataPower to restrict the traffic and the users based on the SLA.
* Configured **AWS** Identity Access Management (**IAM**) Group and users for improved login authentication.
* Involved heavily in setting up the **CI/CD** pipeline using **Jenkins**, **Maven**, **Nexus**, **GitHub**, **Ansible**, **Terraform** and **AWS**.
* Experience in architecture, design, build, and operationalization of Red Hat **OpenShift** environment.
* Proven expertise in application containerization management with **OpenShift**.
* Experience administering and supporting the **OpenShift** Container Platform ecosystem for the organization in both public cloud and on premise.
* Experienced in Container management using **OpenShift** and/or Kubernetes.

**Environment:** Jenkins, OpenShift, Ansible, Maven 4.0, GIT, JSON, LAMP, jQuery, Bootstrap, Windows 7, AWS- EC2, lambda, S3, VPC, Cloud Watch, NACL, Route 53, IAM, SQS, SNS, SES, Apache servers, Docker, Kubernetes, Linux servers, Python

**Erie Insurance, Erie, PA** **NOV 2017 – May 2018**

**DevOps Engineer**

**Responsibilities:**

* Got experience in Installation and configuration of Virtual DataPower XI50 and Designing and deploying a multi-tier application utilizing almost all the main services of the **AWS stack (like EC2, S3, RDS, VPC, IAM, ELB, Cloud watch, Route 53, Lambda and Cloud Formation**) focused on **high - availability**, fault tolerance environment.
* Configured and managed **AWS VPC peering** connection between VPCs to route traffic between them by using **IPV4**, **IPV6** addresses to establish communication across multiple EC2 instances.
* Implemented **Chef Recipes** for Deployment on build on internal Data Centre Servers. Also re-used and modified same Chef Recipes to create a Deployment directly into **AmazonEC2** instances.
* Installed and Configured **Chef Server**, **Workstation**, Client servers and nodes. Written several **Recipes**, **Cookbooks** in Chef to automate the environment provisioning, Middleware Infrastructure Installations.
* Worked on **Docker** **Hub**, creating **Docker** **Images** and handling multiple images primarily for middleware installations and domain configurations.
* Configured the **Docker** containers and creating Docker files for various applications as well as created **Docker** images using a **Docker** file, worked on **Docker** container **snapshots**, removing images and managing **Docker volumes**.
* Research and implement new tools such as **Kubernetes** with **Docker** to assist with auto-scaling, continuous integration, rolling updates with no downtime.
* Integrated **GIT** with Jenkins using the **GitHub** plugin to automate the process of source code check-out by providing the URL and credentials of the GIT repository.
* Experience in integrating **JIRA** with **CI/CD** pipeline as defect tracking system and configured workflows to automate deployment and issue trackingCreated Crypto profiles, SSL proxy profiles as part of SSL implementation.
* Involved in enabling security on Data Power appliance and tested end-to-end using tools like Altova SPY..
* Managed **Ansible** Playbooks to automate system operations.
* Used **Ansible** to maintain and update the configuration of various applications onsite servers.
* Used **Ansible** to maintain and make changes to **CI/CD** configuration on onsite and cloud-based Linux instances.
* Deployed the **Java** and .**Net** applications into web application servers like **JBoss**.
* Involved in **Dockerization** of the application so that it can be deployed on the internal cloud infrastructure.
* Experience in writing **Docker** files and deploying applications on containers.

**Environment:** GIT, Jenkins, Python, Ansible, Maven, AWS, EC2, lambda, Nexus, WebSphere, JBoss, ANT, PUTTY, Dockers, Kubernetes, OpenShift, Terraform, Shell Script, Kafka, Splunk.

**JCPenney, Dallas Fort Worth Area, TX Apr 2017 – Sep 2017**

**Datapower Consultant**

**Responsibilities:**

* Developed views to facilitate easy interface implementation and enforce security on critical customer information.
* Worked on the development of WebSphere DataPower XS40 and XI50 version 3.8.1 and 5.0.
* Responsible for analysis, design and development of ESB architecture on DataPower XI50 to better integrate existing and new applications and web services for transformation, routing, mediation and conversion.
* Responsible for implementing Security services on DataPower XS40 for better Authentication, Authorization and Auditing purposes (AAA).
* Hands-on experience with developing DP security policies. Created crypto profiles, ssl proxies.
* Responsible for configuring Front Side Handler and Back-End Connectivity including HTTP, HTTPS, JMS, MQ Resource, SSH Setup involving various XML Threats.
* Used WS-Security to transport user identity in the header of a SOAP message.
* Configured various actions while defining rules and policies like Transform action, AAA Action, Match Rule, Encryption, Decryption, Filter action, Validate, Route and various others.
* Worked on migrating DP objects within various test environments.
* Hands-on experience with developing style sheets using XSLT.
* Worked on configuring MPG to retrieve internal references using WSDL.
* Used DataPower extension elements/functions extensively in XSLT coding.
* Developed error policies with custom templates to handle the error returned by backend applications
* Extensively configured reusable Policies and Rules in DataPower MPG, XML Firewall and constantly monitored Web Service Proxy using default SLM.
* Responsible for XML data Validations using customized and available source XSD Validation Frameworks.
* Problem determination using local error logs and by running user traces and service traces.
* Administered various Log files using log analyzer, Product logs, Installation logs, Administer server logs.
* Well documented all procedures and any other important issues.

**Environment:** IBM WebSphere DataPower SOA Appliance XI50, WebSphere Application Server 6.1, LDAP Active Directory

**DTE Energy, Detroit, MI Oct 2016 – Mar 2017**

**Datapower Consultant**

**Responsibilities:**

* Involved in triaging and managing defects using ALM.
* Built transaction-logging capability for the DataPower services to understand the services behavior using ILS Logging.
* Implemented Web services security with encryption, decryption, and Created AAA policies for authentication, authorization and auditing using DataPower.
* Built Multi-Protocol Gateway, Web service Proxy and XML Firewall services to integrate DataPower with a several protocols and systems such as MQ, HTTP(S).
* Troubleshooting problems on DataPower using System Logs, Transaction Debug Probes, and Object Status.
* Involved in end to end troubleshooting starting from front end consumer applications to DataPower to Message broker to back end provider systems.
* Involved in code reviews, technical and functional design review, Unit testing, integration testing and attending all technical walkthroughs with functional owners and business users.
* Built scripts using Jenkins and used script assertions in SOAPUI to validate the DataPower Services.
* Involved in creating deployment scripts using standard xslt’s.
* Familiar with clear case for code repository.
* Integrated DataPower with MQ. Involved in creation of MQ Manager Groups and required Queue creations.
* Actively Involved Business in decision-making process ensuring quality Deliverables.
* Strong in XML/XSL, XSLT, XPath, XML Schema, WSDL, Web Services, SOAP, REST.
* Involved in Analysis Phase to gather requirements for Mapping Spec Creation from source and target.

**Environment:** DataPower XI52, MQ Series 7.x, RFHUtil, XMLSpy, Oxygen, SoapUI, Edit plus, Jenkins and ClearCase.

**BCBS, Jacksonville, FL June 2015 – Sep 2016**

**Data Power Consultant**

**Responsibilities:**

* Configured various enterprise services through IBM WebSphere DataPower.
* Creating certificates generation using the WebSphere DataPower and coordinating, certificate signing.
* Creating SOMA scripts for WebSphere DataPower operations like timeout, user accounts creation etc.
* Created complex service flows through and multiple rules and policies in IBM WebSphere DataPower.
* Worked on online enrollment enabling using IBM WebSphere DataPower.
* Performed transformation from any to any format and worked XML transformations using XSLT.
* Worked with certificates and private keys to enable HTTPS connection with clients using IBM WebSphere DataPower.
* Made MQ integration with WebSphere DataPower where DataPower is a consumer or a provider.
* Created components in Multiprotocol gateway, web service proxy and XML firewall
* Used SOAP UI extensively to test and debug services enabled in IBM WebSphere DataPower.
* Worked SOAP attachment propagation through IBM WebSphere DataPower using Web service proxy.
* Worked on WSDL XSD SOAP messages and XSLT extensively
* Created Multi-protocol gateways and XML firewall configuration for more than 30-40 services.
* Performed end-to-end testing, resolved problems and validated the test results. Performed unit testing and unit Integration testing.
* Configured AAA action for digital signature and used crypto profiles and validation credential objects in IBM WebSphere DataPower.
* Created and configured services in WebSphere DataPower appliance like Multi Protocol Gateway, XML Firewall, and Web Service Proxy.
* Strong in creating and configuring WebSphere MQ objects like Queue managers, Queues, Channels and receivers.
* Developed style sheet for the Standard BCBS UI logging.
* Skilled in establishing SSL Profiles for MQ (MQ SSL) and HTTP (HTTP(S)).
* Implemented AAA, dynamic routing, and header injection as part of the MPG, and WSP development.
* Worked on scripts to create QMGR, Q's and Channels also deployment policies for schedule maintenance on MQ as well as DP across different regions environments.
* Worked on DNS, keys Installation, Network Setup, HA, DNS based routing on WebSphere DataPower regions and all Admin tasks.
* Skilled in upgrading firmware, creating and configuring multiple domains across the appliance, user and group access privileges, monitoring health, import/export configurations load balance as well as failover testing across the regions.

**Environment:** IBM DataPowerXI50/52,WebSphere MQ 7.0, WebSphere Message Broker (WMB) Toolkit 7.0, WebSphere Transformation Extender v8.3, WTX Integration server, Terra Data, XSD, XML, rfhutil, ESQL ,JAVA, AIX.

**Technoxis, India Jan 2012 - Feb 2015**

**Java Developer**

**Responsibilities:**

* Object Oriented Design and Analysis using UML, development of class diagrams, State diagrams, Sequence diagrams and implementing in Microsoft Visio
* Implemented Java/J2EE Design Patterns as Business Delegate and Data Access Object, Data Transfer Object (DTO) and service locator
* Involved in writing Spring Configuration XML files that contains declarations and other dependent objects declaration
* Involved in development and designing user interface, web components using JSP, HTML & JDBC.
* Developed SQL scripts to create and maintain the database, roles, users, tables, views, procedures and triggers
* Involved in the analysis of Safe/Drawer Transactions, Loan deposit modules and development of Collection Letters
* Worked on database interaction layer for insertions, updating and retrieval operations on data
* Coordinated & Communicated with onsite resources regarding issues rose in production environment and used to fix day to day issues

**Environment:** Java, Web Logic, Eclipse, JSP, Windows XP, HTML, Maven and XML.