**Professional Summary:**

**Overall 7+ years** of experience in IT industry comprising of continuous Integration, development, deployment, system administration, automation, Containerization, Windows & Linux administration, Build and Release management, Software Configuration management, Incident and Change management, Version Control, monitoring tools and DevOps/Agile operations

* Extensively worked on DevOps essential tools including **Ansible, Docker, Kubernetes, GIT, Jenkins, Terraform, AWS Cloud Formation Template, Maven,xcode, Splunk,** and **Nagios.**
* Experienced in designing, deploying and maintaining copious applications using almost all AWS services stack including **EC2**, **Route 53**, **Cloud Front**, **Dynamo DB**, **Redshift**, **RDS**, **KMS**, **Elastic Container Service**, **ELB**, **Cloud Formation**, **Simple Notification Service**, **SQS** focusing on **high availability, fault-tolerance,** and **auto-scaling**.
* Experience with **AWS** instances spanning across Dev, Test, and Pre-production and Cloud Automation through Open-Source DevOps tools like **Jenkins, Ansible, Docker & Kubernetes**.
* Experience **Azure** **Platform Development**, Deployment Concepts, hosted Cloud services, platform service and close interface with **Windows Azure Multi-Factor Authentications**.
* Experienced in **Azure** IaaS, Provisioning VM’s, Virtual Hard disks, Virtual Networks, Deploying Wed Apps and Creating Web-Jobs, **Azure Windows server** 2008/2012/R2, **Microsoft SQL Server**, **Microsoft Visual Studio**, **Windows PowerShell**, Cloud infrastructure.
* Expert in several **Azure** services like **Compute** (**Worker Roles, Web Roles), Caching, Azure SQL**, **NoSQL**, **Xcode,** **Storage**, and **Network** **services**, **Azure Active Directory, API Management,** **Scheduling**, **Azure** **Autoscaling**, **PowerShell Automation**, **Azure Virtual Machines**, **Azure search**, **Azure DNS**, gateway of **Azure VPN**.
* Experience using **Jenkins** to deploy code to **Google Cloud**, create new namespaces, creating Docker images and pushing them to container registry of Google Cloud.
* Used **Google Cloud Platform (GCP**) services like **Compute Engine, Cloud Functions, cloud load balancing**, **cloud storage, stack driver monitoring, cloud deployment manager**, **Cloud Bigtable, Big Query** and **SaaS, PaaS** and **IaaS** concepts of Cloud computing architecture and implementation using GCP.
* Hands-on experience on **OpenStack** for continuous automated deployment.
* Configuring and deploying instances on GCP environments and Data centers, also familiar with services like **App engine, GKE, cloud run, cloud balancing, cloud storage, cloud SQL, cloud DNS.**
* Experience in branching, merging, tagging and maintaining the version across the environments using version control tools such as **GIT, SVN, BIT Bucket, Beanstalk and GitHub**.
* Extensively worked with build tools like **MAVEN,xcode, ANT** and **MS build** for the building of deployable artifacts from source code.
* Experience in designing and implementing fully automated server build management, monitoring and deployment by using **Ansible playbooks** and **Modules.**
* Worked with **Ansible playbooks** for virtual and physical instance provisioning, configuration management and patching.
* Created inventory in **Ansible** for automating the **CD** and wrote **playbooks** using **YAML scripting**.
* Widely worked on the **Puppet** configuration management tool which includes installing **Puppet master**, agents and writing **manifests** from scratch and pushing them to agents for CI & CD.
* Worked on integrating **Git hub** with **Maven** and developed pom.xml files as applicable to the project.
* Strong work experience in **Oracle Database (10g/9i/8i). SQL, PL/SQL, Stored Procedures, Functions, Ref Cursors, Constraints, Triggers, Indexes, Views, Inline Views, Export/Import Utilities.**
* Experience in building REST APIs on SQL, Oracle (Relational) and NoSQL databases like MySQL, MongoDB.
* Exceptional experience in dealing with various databases like **Oracle, MongoDB, DynamoDB, DB2, SQL Server, MS Access, Flat files.**
* Provided deployment support for several releases in finance and corporate business area.
* Documented work done, skills required and mitigated in future projects and experienced in working with **offshore projects**.
* Experience as a UI developer using **HTML, CSS, JavaScript, AngularJS, Grunt, and Angular Js 2.**
* Proficient in Java technologies like **Java Servlets, Java Beans, Models, Struts, Spring, Hibernate, Web service** Experience working on Model View Controller architecture, using Struts, **Hibernate** for Persistence, **AJAX** and **Spring** Framework with various Java/J2EE design patterns.
* Expertise in application, web servers such as **Apache Tomcat, IBM WebSphere, JBOSS and Oracle Web logic.**
* Good communication, interpersonal and presentation skills. Excellent work ethics, self-motivated and quick learner, willing to learn, adapts new technologies and third-party products.

**Technical Skills:**

|  |  |
| --- | --- |
| Operating System | Linux (Red Hat, CENTOS & SUSE), Solaris, HP-UX, Ubuntu, IBM AIX, Windows NT, DEBIAN, Mac OSx |
| Programming/Web Technologies | Apache Tomcat, JBOSS 4.x/5.x, Web Logic (8/9/10), WebSphere ­­Apache  1.3.x, Apache 2.0.x, and ngnix, IIS, .Net, Java, JavaScript, JQuery, C++, XML,  HTML, Bootstrap, CSS |
| Automation Tools | Chef, Puppet, Docker, Vagrant, Ansible, Jenkins, Hudson, Bamboo, Kickstart,  Jumpstart, Terraform, Kubernetes, Mesos. |
| Version Control Tools | Git, Subversion SVN, TFS, CVS, Bitbucket |
| CI/CD & Build Tools | Jenkins, Bamboo, Maven, xcode, ANT, Gradle |
| Cloud Environments | Amazon Web Services (AWS), Microsoft Azure, GCP, OpenStack, Pivotal Cloud Foundry (PCF) |
| Networking Protocols | TCP/IP, NIS, NFS, DNS, DHCP, WAN, SMTP, LAN, Cisco Routers, SFTP/TFTP, OSPF, EIGRP, IGRP, SNMP, TELNET. |
| Monitoring & Analytics | Splunk, Dynatrace, Prometheus, Nagios, Cloud Watch, New Relic, Grafana, ElasticSearch |
| Databases | Oracle, DB2, SQL, NoSQL, DynamoDB and MongoDB |
| Scripting | Ruby, Python, Perl, HTML5, PHP, Bash/shell Scripting, PowerShell Scripting YAML, JSON. |
| Editors | Visual Studio IDE, Visual Studio Code, PHP Storm, vi, vim, nano |

**Work Experience:**

**Sr. Devops/Cloud Engineer**

**American Express, Remote May 2021- Till Date**

**Roles & Responsibilities:**

* Trained and Implemented core features of the application in **Java** and worked on Java8 features like Functional Interfaces, Lambda expressions and Stream API.
* Experienced working with containerized platform like **Docker** and write Docker files to build Docker images.
* Setup build jobs in Jenkins to achieve Continuous Integration and performed code-level configuration checks to resolve build issues.
* Experienced in resolving issues related to applications written in **AngularJS, NodeJS, JBoss, Python** and **Spring Boot** and deployed on OpenShift containerization platform.
* Experience with **OpenShift** CLI (OC) and can perform various commands to check application related data.
* Worked on XL-Release tool for Continuous Delivery/ Deployment to deliver a production-ready cluster or service.
* Experience working with **Terraform** to write custom modules to automate manual processes in SDLC.
* Experience working in Linux distributed environment and used **Linux CLI** (Command Line Interface) to gather application-specific data based on the requirements.
* Gained knowledge by working with tools like **Git** for Source Version Controlling, **Maven** as application build tool and **JIRA** as project management tool.
* Assisted in the collection and documentation of user's requirements, development of user stories, estimates and work plans
* Troubleshoot the build issue during the **Jenkins build process**.
* Worked on creation of custom Docker container images, tagging and pushing the images. worked on the customized docker networks.
* I am responsible for enabling Audit for Kubernetes Cluster and Monitoring the logs locally, it depends on the namespaces required through metadata level and managed all the **microservices** infrastructure with **OpenShift.**
* **Understanding of network security protocols, including firewalls, ACLs, IPS/IDS, and application gateways.**
* **Clustering the technologies, shared file systems and volume management, DNS, NFS, FTP, LDAP services and also load balancers in the infrastructure.**
* Worked with **OpenShift** platform in managing **Docker** containers and **Kubernetes** Clusters.
* Experienced with deployments, Maintenance and troubleshooting applications on Work with different team members for automation of **Release components**.
* Implemented AWS solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.**
* Optimized volumes and **EC2** instances and created multi-AZ **VPC** instances.
* Worked in Cloud Solutions Engineering team, I contributed towards conceptualization, design and development of applications and provided end-to-end technical solutions to application teams for their onboarding journey in cloud and led customer engagements and aligned with teams to influence the product roadmap

**Environment:** Docker, Kubernetes, Openshift, Ansible, Jenkins, Terraform, Maven, XL-Release, Linux environment, Git, Confluence, JIRA, Dynatrace, Splunk, UNIX, LINUX & Shell Scripting, AngularJs, NodeJs, JBoss, Python, Spring Boot, AWS.

**Sr. Devops/Cloud Engineer**

**Intel, Austin Tx Aug 2020-May 2021**

**Roles & Responsibilities:**

* Worked in configuration management tool such as **Ansible and Chef.**Assisted in design and deployment of Cassandra rings into AWS. Multi-AZ and inside existing layered VPC network.
* Created 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.
* Responsible for Design of different Release Environments for new projects and monitoring.
* Implemented a Continuous Delivery framework using **Jenkins, Chef, TeamCity in Linux environment.**
* Managed **Chef Cookbooks** to automate system operations.
* Worked on **AWS** Cloud management and **Chef** Automation and tools like **Maven/Nexus, Jenkins**, **xcode** for Integration and deploy to AWS using **Jenkins** AWS Code Deploy plugin.
* Responsible for code build, release and configuration on Amazon **EC2**.
* **Chef Automation tools** and **windows builds** and do an overall process improvement to any manual processes.
* Used IAM to create new accounts, roles and groups.
* **Azure Storage** Planning Migrated Blob Storage for document and media file, Table storage for structured datasets, Queue storage for reliable messaging for workflow processing and file storage to share file data
* **Azure AD** - Implemented Azure AD using AD connect, configured SSO and multifactor Authentication. Also configured SSO from Window 10 based computer which is joined to Azure AD. Implemented and managed AD synchronization.
* Worked in the development of **ETL** and Data Models using an ETL tool such as **SAP Data Services**, **Informatica**.
* Created containers with the help of **Docker images**. Virtualized the images by using the **Docker files.**
* Worked on creation of custom Docker container images, tagging and pushing the images worked on the customized docker networks.
* Using **Chef and AWS** allowed me to reduce costs for the department and eliminate unwarranted resources. Automated provisioning of cloud infrastructure with **Chef**
* **Configured S3 versioning** and lifecycle policies to and backup files and archive files in Glacier.
* Configured Elastic Load Balancers (**ELB**) with **EC2 Auto scaling groups.**
* Created monitors, alarms and notifications for EC2 hosts using **Cloud Watch**.
* Experienced with deployments, Maintenance and troubleshooting applications on Microsoft Cloud infrastructure **AZURE.**
* Exposed Virtual machines and cloud services in the VNets to the Internet using **Azure External Load Balancer**
* Extensive experience in Windows **AZURE**(IaaS) migrating like creating AZURE VMs, storage accounts, VHDs, storage pools, migrating on premise servers to **AZURE**and creating availability sets in **AZURE**
* Worked on **Script** in multiple languages on **UNIX, LINUX and Windows - Batch, Shell script, WMI, WSH**.
* Implemented Cloud based **Data Warehousing** solutions on AWS for Intel Data Applications.
* Application monitoring using **Dynatrace** and **Splunk**
* Maintained and managed cloud & test environments and automation for **QA**, Product Management and Product Support.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams at Intel

**Environment:** Ansible, Chef, EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling, Jenkins, Chef, TeamCity in Linux environment, xcode,Maven/Nexus, Jenkins, RunDeck, Urban Code Deploy with Patterns/Release, Git, Confluence, JIRA & Cloud Foundry, Dynatrace, Splunk, UNIX, LINUX & Windows - Batch, Shell script, WMI, WSH

**DevOps Engineer/AWS Engineer**

**Neustar Inc, Sterling VA May 2019-Aug 2020**

**Roles & Responsibilities:**

* Designed **EC2** instance architecture to meet high availability application architecture and security parameters.
* Developed processes, tools, automation for **Jenkins** based software for build system and delivering **SW Builds.**
* Deployed and maintained private cloud infrastructure of **OpenStack and Cloud Foundry**.
* Used **Python** scripts to design data visualization to present current impact and growth.
* Worked on managing packages and configuration across multiple of nodes.
* Designed and built a continuous integration and deployment framework for **Chef Code** using test driven development.
* **Google Cloud Platform (GCP**) resource with the ability to design and implement Compute, networking, and **Kubernetes Engine (GKE)** environments.
* Involved with Team to deploy existing security tools with in the GCP environment to optimize the architecture and capabilities within **Google Cloud Platform**.
* Familiarity with GCP native security controls (**Cloud Armor**) and understand the limitations of each.
* Worked on Cloud Computing GCP public cloud specifically on Cloud first application development and architect solutions on **GCP**.
* Managed Google **BigQuery** instance for the data warehouse, using Google Data Prep and Google storage as the staging platform and deployed the application using **Google App Engine.**
* Worked on **GKE** Topology Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers GKE Diagram including masters, slave, **RBAC**, helm, kubectl, ingress controllers.
* Created projects, VPC's, Subnetwork's, **GKE Clusters** for environments QA3, QA9 and prod using **Terraform** Created projects, VPC's, Subnetwork's, GKE Clusters for environments.
* Worked on **Agile** to develop and work with the client to calibrate releases for test deployment.
* Documented release builds and source control processes and plans.
* Evaluated **Chef** and **Puppet** framework and tools to automate the cloud deployment and operations.
* Puppet module creation, integration, and testing Key Technologies: **MongoDB, Go Continuous Delivery Engine, Puppet**
* Formal training on **Openstack**- Essentials of **Openstack Administration** (LFS520) - **Advanced Track (modules, lookups, etc) on Puppet - Puppet Architect Advanced.**
* Created snapshots and amazon machine images (**AMIs**) of the instances for backup and creating clone instances.
* Worked on Setting up and administering DNS system in AWS using **Route53.**
* Used XML Web services with   **SOAP**   protocol for transferring data between different applications.
* Well versed with user and plugin management for **Jenkins**.
* Developed **Docker** based infrastructure - **Mesos, Kubernetes**
* Used **marathon** and **Mesos** to check the application status and its log.
* Worked on **Apache Mesos-Marathon** for Resource Management.
* Operated on Migrating VCS, **Oracle RAC and Redhat Clusters with GFS** (Global File Systems) servers across the Data Center, which includes Configuring of new IP, VIP and Private IP.
* Managed users and groups using the amazon identity and access management (**IAM**)
* Implemented continuous integration using the **Hudson**, which tracks the source code changes
* Support development engineers with Configuration Management issues. Assist my seniors and Project Leaders in technical issues.
* Creation and setup of new environments/branches such as development, testing and production
* Worked closely with development team and SQA team for product releases
* Worked under an environment that has a good defect tracking system through the use of Manual Test and Test Manager.
* Maintained build related scripts developed in **ANT, Ruby, Shell** and **Python**.
* Worked on **WebSphere** installation, configuration, maintenance and patching.
* Configured **WebSphere Application Server** V7.0 with DB2 V7.1/8.1 database and configured virtual hosts and transports.
* High availability testing (both Data platform and API platform), Failover and Operations testing for multi region Amazon AWS product implementations.
* Wrote queries to create, alter, insert and delete elements from lists, sets and maps in **Datastax Cassandra.**
* Responsible for building scalable distributed data solutions using **Datastax Cassandra**.
* Ran many performance tests using the **Cassandra-stres**s tool in order to measure and improve the read and write performance of the cluster.
* Created data-models for customer data using the **Cassandra Query Language**.
* Coordinated with various cross functional teams across IT operations to make sure smooth functioning of projects

**Environment:** WebSphere Application Server 5.x/6.x/7.x/8.x, Dell Servers, AWS, Red Hat Linux 6, Oracle RAC, Ubuntu, Puppet, Tomcat Server, Nginx, API Platforms, Cloud Foundry, Apigee, ANT, Ruby, Shell, Python, SOAP UI, Cassandra, Docker, Mesos, Marathon, Agile

**Build & Release Engineer**

**Amazon, Hyderabad India Jan 2016- July 2018**

**Roles & Responsibilities:**

* Used **Jenkins** as 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 **builds**, notifying the build reports.
* Developed/Improved continuous integration scripts and automation scripts and perform database deployments, Responsible for troubleshooting environmental issues.
* Implementing Continuous Integration and Continuous Delivery framework using **SVN, Bitbucket, ANT, Maven, Jenkins, Bamboo, Nexus, Control Tier,** Make in **Linux environment.**
* Involved in the Consulting, Analysis, Design, Development and Implementation of automated Continuous Integration/Continuous Deployment pipelines and test automation solutions.
* Worked on in creating various modules and automation of various facts in **Puppet**, adding nodes to enterprise **Puppet Master**and managing **Puppet agents**. Creating **Puppet manifests**files and implementing **Puppet**to convert **IaC**.
* Integrated **Bitbucket** with**JIRA**for transition JIRA issues from within **Bitbucket Server** and monitored the JIRA issues in Bitbucket Server.
* Implemented and configured **Nagios** for continuous monitoring of applications and enabled notifications via emails and text messages.
* **Built** and managed a highly available **monitoring** infrastructure to monitor different application **servers** and its components using **Nagios and Splunk**.
* Created and deployed web interfaces reporting on multi-platform automated **builds** and test suites (**TFS build reporting, Share Point Server, Cruise Control,** and **IIS**) experience using **Agile Scrum methodology**.
* Build and deployed **J2EE** application in **JBoss** in an **agile** continuous integration environment using **Python** scripts.
* Designed and scripting is done using **Ant** for **J2EE**, **Web Services**, Reusable **JARS**, **Web Client** and **Open Source** in creating Master **build.xml** build Properties and provided technical support to the **development team** for compilation problems.

**Environment:** Linux, Windows, Tomcat, Jira, Confluence, Hudson, Bamboo, JBoss, Puppet, Puppet DB, Ant, Maven, SVN, Bitbucket, Nagios, Java, Shell Scripting, Python, Bash, Perl, Kickstart, Java, Agile, Scrum, Splunk

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