**Professional Summary:**

A team player with excellent communication skills, possess almost 9+years of IT Experience as Cloud/DevOps Engineer comprising of Linux and System Administration with major focus on AWS, Azure, OpenStack, Continuous Integration, Continuous Deployment, Configuration Management, Build/release Management and Virtualization technologies which also includes Troubleshooting and Performance issue.

* Expertise in AWS Services like EC2, IAM, Subnets, VPC, Cloud Formation, AMI, S3, SNS, SES, RedShift, CloudWatch, SQS, Route53, CloudTrail, Lambda, Kinesis and RDS and obtaining High Availability and Fault Tolerance for AWS EC2instances utilizing the services like and Elastic IP, EBS ELB.
* 3+ years of experience in SRE and DevOps in production environment for high Scalable Fortune's 500 Tech Companies
* Experienced in an environment of Amazon Web Services (AWS) products gained good knowledge in Elastic Cloud Computing, Simple Storage Services, Glacier, Block Storage, Elastic Beanstalk, Amazon Lambda, Virtual Private cloud, Load balancing, Relational Database Service, and Cloud Watch.
* Experience on GCP services like GCE, Source Repositories, VPC, GCP Load Balancers (GLB/ILB), GCP IAM, GSuite, Cloud SQL, Cloud SQL proxy, GKE, Network Security Policies, Cloud Storage (GCS), Cloud Dataproc, Spanner, Big Table etc.
* Core development experience Groovy Grails restful web services.
* 3+ years Expertise in installation, Configuration. Trouble Shooting and Maintenance of Dynatrace application monitoring tool 4.2/5 6/6.1/6 3/65/70.
* Design and implement scalable enterprise monitoring systems by applying continuous integration/delivery concepts. Perform maintenance and troubleshooting of our enterprise Redhat OpenShift systems. Work to continuously improve speed, efficiency and scalability of OpenShift systems
* Worked with APIGEE Edge, Developer Portal & APIGEE Baas platform.
* Experience in configuring the Cloud Firewall rules to allow the inbound traffic to GCP GKE Cluster.
* Working as Sr SRE consultant with confidential Inc.
* Responsible for writing the Design specifications for the generic and application specific web services in Groovy Grails.
* Worked with RedHat OpenShift Container Platform for Docker and Kubernetes, used Kubernetes to manage containerized applications using its nodes, ConfigMaps, nde-selector, Services and deployed application containers as Pods
* Led functional gap discussion session with version teams to define BSS and Billing requirements. Designed and developed a billing and invoicing migration solution based on technologies of Spring/SOAP/CAMEL/Grid/BPM/SQLDB.
* Hands on experience migrating Oracle, SQL server instance to AWS RDS (Oracle to Oracle migration, Oracle to postgres migration, Oracle to MySQL)
* Knowledge of amazon cloud front to migrate content from Akamai Database using RDS mainly Postgre and MySQL DynamoDB’s with mem cached
* Hands on Experience in GCP services like EC2, S3, ELB, RDS, SQS, EBS, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation GCP Config, Autoscaling, Cloud Front, IAM, R53.
* Developed custom alerts using Azure Data Factory, SQLDB and logic App
* Experience in Azure IaaS, PaaS, Provisioning VM&Virtual Hard disks, Virtual Networks, Deploying Web Apps and creating Web-Jobs, Azure Cosmos DB, Active Directory, Azure Windows server, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, Cloud infrastructure.
* In IT industry experience working as DevOps Engineer and SRE, CI/CD AWS Cloud, Software Development, Configuration Management, Build, Deploy and Release management in automation and Linux system administration.
* Responsible for planning and executing upgrades to Atlassian systems.
* Web Application Development using Groovy Grails jQuery AJAX.
* Strong Experience with the following technologies: Linux administration, Linux scripting (python, Bash), MySQL,Postgres SQL, Microsoft windows server OS, Microsoft Active Directory, Microsoft Remote desktop service,Citrix Xebapp,VMWare virtualization,Backup software
* Experience on using Terraform to map more complex dependencies and identify network issue. Also worked on Terraform Windows servers. Proficient in Writing Terraform templates, Chef Cookbooks, recipes and pushed them onto Chef Server for configuring EC2 Instances.
* SQL programming knowledge and experience with MySQL, Postgres,Casandra,Redus, Oracle DB or MongoDB
* JIRA development with sava and Groovy Scripting.
* Install and configure DynaTrace and Optier Application Monitoring tool across hetergenous multi-tier application. Worked to application teams to define thresholds, alerts and create dashboards to delivery optimum application monitoring.
* Experience in working with Terraform and AWS Cloud Formation templates for automating VPC's, ELB's, Security groups, SQS queues, S3 buckets and continuing to replace the infrastructure.
* Expertise in Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of openstack Nodes and Test Playbooks on AWS instances using Python.
* Designed and developed ETL pipeline in Azure cloud which gets customer data API and process it to Azure SQLDB.
* Worked on IRA and Confluence integration with SSL Troupesbocker integration Atlassians.
* Used **Google Cloud Platform (GCP)** services like Compute Engine, Cloud Functions, Cloud Storage and SaaS, PaaS and IaaS concepts of Cloud computing architecture and implementation using **GCP**.
* Experience in developing Chef Cookbooks, Recipes, Resources and Runlists, Managed Chef client nodes, and uploaded cookbooks to chef-server using Workstation.
* Experience in writing Docker files with best practices along with Dockerlinting, Docker container management along with volumes, container-based DB and services, DockerArtifactory (Jfrog) configuration and setup.
* Worked on dynatrace collectors installations in various datacenters and monitor the APM environment for high availability.
* Wrote prototype and production code in numerous programming language which depends up on language(s) of existing codebase: Golang/Go, Ruby, MySQL and Python.
* Setup a GCP Firewall rules in order to allow or deny traffic to and from the VM’s instances based on Specified Configurations and Used GCP cloud CDN(Content Delivery Network) to Deliver content from GCP Cache locations Drastically improving user experience and latency.
* Experienced in Kubernetes to automate the deployment, scaling and operations of application containers across clusters of hosts.
* Experience in Creating and writing Shell scripts (Bash), Ruby, Python and Power Shell for automating tasks. Worked on updating Jobs. Groovy for the migration of Jenkins jobs from AWS, Azure, and GCP. Deployed and scaled web applications that are developed on programming languages such as Java/J2EE, .Net, PHP, Node JS, Python, Ruby, are go With CI (Continuous Integration) tools such as Jenkins and Bamboo.
* worked with Product owners Customers) directly so that they can fully leverage the power of JIRA and other Atlassian.
* Planning to move from VCloud to GCP.
* Performed testing life Cycles for End to End business scenarios from Portal (Web) to CRM and SQLDB using Middleware Technologies and Web services
* Expertise in installing, upgrading, configuring and troubleshooting IBM WebSphere Application Server 7.x/8.x and WebLogic server 10.x/11. x. Used Artifactory to set up several Docker registries, through the use of local, remote and virtual Docker repositories.
* Knowledge of using Routed Protocols: FTP, TCP, UDP, ICMP, SFTP, SSH, HTTP, HTTPS and Connect direct.
* Strong knowledge on system administration configuration and customization of Atlassian toon.
* Experience in Installation, Configuration and Administration of RedHat Enterprise Linux4.x/5.x/6.x, Sun Solaris, CentOS 5/6 and Windows.

**Technical Skills:**

|  |  |
| --- | --- |
| **Cloud Platform** | **AWS, Microsoft Azure, GCP, Open stack.** |
| **Scripting** | **Bash/Shell, Perl, Python, Ruby.** |
| **Configuration Management** | **Ansible, Chef, Puppet** |
| **Database** | **Oracle, DB2, MySQL, MongoDB 7 SQL Server, MS SQL** |
| **Build Tools** | **ANT, MAVEN, make file, Hudson, Jenkins, BAMBOO, and Code Deploy** |
| **Container Tools** | **Docker, Kubernetes, Docker Swarm,** **OpenShift** |
| **Version Control Tools:** | **Subversion (SVN), Clear case, GIT, GIT Hub, Perforce, Code Commit.** |
| **Web Servers:** | **Apache, Tomcat, Web Sphere, Nix, JBOSS, WebSphere.** |
| **Languages/Scripts** | **C, HTML, Shell, Bash, PHP, Python, Groovy, PHP, Ruby and Perl, Golang.** |
| **Web Technologies** | **HTML, CSS, Java Script, JQuery, Bootstrap, XML, JSON, XSD, XSL, XPATH.** |
| **Monitoring tools** | **Nagios, Splunk, New Relic, App Dynamics and cloud watch** |
| **Bug Tracking Tools** | **JIRA, Remedy, HP Quality Center, Bugzilla.** |

**Professional Experience:**

**Ford Motor Company – Dearborn, Michigan (Aug 2018 – Current)**

**Role: Sr.Site Reliability Engineer// DevOps &Cloud Engineer**

* Dealt with Azure IaaS&PaaS - Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application gateways, Auto-scaling, Traffic Manager, Azure Web Apps, Web Roles, Worker Roles, Azure SQL and Azure Storage.
* Worked on Designing and maintaining containerized microservices and configuring/maintaining private container registry on Microsoft Azure for Hosting Images and using Windows Active Directory to secure an Azure Active Directory AD domain services managed the domain with LDAP's.
* Experience on Hegrading Atlassian products le confluence, JIRA and bamboo.
* Managing the OpenShift cluster that includes scaling up and down the AWS app nodes.
* Experience in Setup and Build GCP infrastructure using resources shared service VPC model, Compute engine, Cloud Storage, Cloud SQL, IAM using the Terraform Foundation modules.
* Support development/ SRE team with automation scripts using bash/python/awscil
* Python/Django based web application, postgre SQLDB, and integrations with 3rd party email, messaging, storage services .
* Design, build, maintain and support the Apigee infrastructure.
* Had very strong exposure using ansible automation in replacing the different components of OpenShift like ECTD, MASTER, APP, INFRA, Gluster.
* Used GoLang 1.10 and Developed Microservices using Channels, goroutines, functional interfaces, and various frameworks
* Developed DevOps Scripts in Groovy to automate and collection analysis of Cassandra.
* Create Azure Service Catalog products : SQLDB and StorageV2.
* Developed and implemented software applications and systems using various tools and technologies including GoLang AWS, Docker, and Cassandra.
* Developed GoLang Microservices and converted the user stories into backend logic in service classes.
* Installing the Apigee Edge and monitoring the gateways Developed REST API's with authentication using Django as a platform Extensive windows and Linux configuration and automation.
* Working on implementing new OCR solution; Spring Boot, OpenShift, microservices. Member of group developing containerized applications; Docker, Spring Boot, Kubernetes, OpenShift. Deployed Microservices to IBM Bluemix Cloud Foundry and later migrated to OpenShift.
* Configured Azure/Duo Multi-Factor Authentication as a part of the Azure AD Premium to securely authenticate users. Experience in providing high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.
* Developed Rest Api to processes the data from DB to another Rest Service using GoLang.
* Worked on GCP services like GCE, Source Repositories, VPC, GCP Load Balancers (GLB/ILB), GCP IAM, GSuite, Cloud SQL, Cloud SQL proxy, Network Security Policies, Cloud Storage (GCS), Cloud Dataproc, Spanner, Big Table etc. Deployed the MicroServices with Springboot on GCP / GKE Kubernetes Cluster Configured with master nodes and worker nodes.
* Worked on GCP services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager. Established failover and auto-scaling for all critical applications by using HA Proxy/Nginx for Load Balancing in GCP. Configured monitoring of uptime and performance for all production systems by GCP Stack driver.
* Azure cloud experience of at least 3 years with ADF V2, ADF Data flows, Azure Databricks, SQLDB/Hyper scale, SQLDW, ADLS Gen 2 , and other Azure services. ADF source code version control using AZURE DevOps ot Git.
* The deployment model uses Atlassian development repository tools, Jenkins as the build engine, while execution deployments to container orchestration tools ranged over time from OpenShift on EC2, AWS.
* Have involved in creating different Apigee API documents as part of the project requirements.
* Troubleshoot and diagnose issues in dynatrace servers collectors and performance warehouse.
* Written some Groovy scripts for setting up LDAP configuration for Jenkins using security matrix.
* Migrated Oracle Databases from on-premises to AWS RDS- Oracle,Postgres,MySQL
* Worked on providing highly available and fault tolerant applications and utilizing orchestration technologies such as Google Kubernetes Engine and Apache Mesos working on Google Cloud Platform (GCP).
* Working as Sr SRE consultant with confidential Inc.
* Created puppets scripts to install stack like LXC container,Docker,apache,Postgres,PHP,Python virtual envs,sonarqube,nexus2/3,wildfly/boss application, Django applications
* Worked as RDS DBA on Oracle/SQL server/postgres/MySQL/DynamoDB/RedShift
* Designed and developed web pages using ASP.Net
* Extensive experience with T-SQL in constructing Triggers, Tables, implementing stored Procedures, Functions, Views, User Profiles, Data Dictionaries and Data Integrity.
* Developed complex ETL Packages using SQL Server 2008 Integration Services to load data from various sources like Oracle/SQL Server/DB2 to Staging Database and then to Data Warehouse.
* Analyze, develop and test new systems using MVC 3 with C#/ASP.Net.
* Designed and developed user interfaces using Win forms for Desktop application and Web forms using ASP.Net for web application.
* Developed a ASP.Net Web Service application which sends response to client based on the request received.
* Developed audio and video processing software. Groovy).
* Experience with web components like IIS 7.5, Apache Tomcat Servers, and FAST Application Stack on the Windows 2008 / UNIX environments.
* Created Various pipeline to load the data from Azure data lake into Staging SQLDB and followed by to Azure SQL DB.
* Support development/ SRE team with automation scripts using bash/python/awscil
* Strong Data Modeling experience using ER diagram, Dimensional data modeling, Star Schema modeling, Snow-flake modeling using tools like Erwin,EMBARCADEROERStudio.
* Experienced with SOA, Web Services, SOAP, Soap UI, RESTFUL, WSDL technologies.
* Used Terraform to automate VPCs, ELBs, Security groups, SQS queues, S3 buckets. Managed different infrastructure resources like Cloud, VMWare, Bare Metal Servers and Docker containers.
* Perform performance tuning of DynaTrace infrastructure including dabase servers, collector servers to make monitoring available 2417.
* Created reusable infrastructure using Terragrunt and built Terragrunt project to manage Terraform configuration file DRY while working with multiple Terraforms modules.
* Experienced in installing, configuring and monitoring the Datastax Cassandra Cluster, DevCenter and OpsCenter .
* Assist with developement and implementation of DevOps SRE solutions for large scale distributed banking web application across multiple tiers and data centre
* Excellent understanding of Cassandra Architecture and management tool like OpsCenter .
* Commendable knowledge on read and write processes, including SSTables ,MemTables and Commitlog .
* Experience with querying on data present in Cassandra cluster using CQL (Cassandra Query Language).
* Worked with Ansible for Orchestration of Deployments for various servers and managed Ansible Playbooks with Ansible modules, implemented CD automation using Ansible, also involved in managing existing Tomcat Web server and automated the configuration of new servers.
* Worked on Implementing continuous deployment and environment provisioning using Ansible by installing packages on remote agentless nodes through Ansible playbooks with Ansible roles. Used file modules in Ansible playbooks to copy, remove, and modify the files on agentless remote servers from Ansible control server.
* Proficient in programming and creating applications with .Net Framework 3.5/4.0 using c#,visual basic 6,ADO .Net,ASP.NET, PostgreSQL,MySQL and XML
* Excellent Experience in Hadoop architecture and various components such as HDFS Job Tracker Task Tracker NameNode Data Node and MapReduce programming paradigm.
* Setup Hadoop cluster on Amazon EC2 using whirr for POC.
* Strong experience and knowledge of real time data analytics using Spark Streaming, Kafka and Flume.
* Expertise in Installation, Configuration, Trouble Shooting and Maintenance Dynatrace Managed APM toal.
* Worked as an SRE for multiple journeys
* Good experience in writing Spark applications using Python and Scala.
* Experience processing Avro data files using Avro tools and MapReduce programs.
* Implemented pre-defined operators in spark such as map, flat Map, filter, reduceByKey, groupByKey, aggregateByKey and combineByKey etc.
* Used Scalasbt to develop Scala coded spark projects and executed using spark-submit
* Configured Polybase in Azure Synapse Studio to create Polybase tables on ADLS Files.
* Design & implement migration strategies for traditional systems on Azure (Lift and shift/Azure Migrate, other third-party tools) worked on Azure suite: Azure SQL Database, Azure Data Lake(ADLS), Azure Data Factory(ADF) V2, Azure SQL Data Warehouse, Azure Service Bus, Azure key Vault, Azure Analysis Service(AAS), Azure Blob Storage, Azure Search, Azure App Service,Azure data Platform Services.
* Worked to setup Jenkins as a service inside the Kubernetes cluster to reduce the failover downtime to minutes and to automate the Docker containers deployment without using configuration management tool.
* Worked on MQ 7.0. , 7.1 and WMB 6.1, 7.0. on LINUX, WINDOWS, AIX, Sun Solaris and MAINFRAMES.
* SRE for a team that involved different development teams and multiple simultaneous application/software release
* Created objects for MQ on MAINFRAMES, LINUX and WINDOWS servers.
* Expertise in Architecting and Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Service Bus.
* Knowledge of Azure Site Recovery and Azure Backup Installed and Configured the Azure Backup agent and virtual machine backup, Enabled Azure Virtual machine backup from the Vault and configured the Azure Site Recovery (ASR).
* Data Migration experience from Data lake to On-prem and Cloud
* Excellent knowledge in Data Analysis, Data Validation, Data Cleansing, Data Verification and identifying data mismatch.
* Hands on experience on building Recommendation Engines and Natural Language Processing.
* Generously practiced on data cleaning and ensured data quality, consistency, integrity using Pandas, NumPy.
* Installs, configures,manages and administers queries in relational databases like MySQL,PostgreSQL,and MS SQL Server
* Extract Transform and Load data from Sources Systems to Azure Data Storage services using a combination of Azure Data Factory, T-SQL, Spark SQL and U-SQL Azure Data Lake Analytics. Data Ingestion to one or more Azure Services - (Azure Data Lake, Azure Storage, Azure SQL, Azure DW) and processing the data in In Azure Databricks.
* Used the AWS SageMaker to quickly build, train and deploy the machine learning models.
* Agile Sprint backlog grooming, sprint planning and Sprint review in Sprint Retrospective
* Assist with communication, improving transparency, and radiating QA information
* In - depth understanding of SnowFlake cloud technology.
* In-Depth understanding of SnowFlake Multi-cluster Size and Credit Usage
* Played key role in Migrating Teradata objects into SnowFlake environment.
* Experience with Snowflake Multi-Cluster Warehouses.
* Experience with Snowflake Virtual Warehouses.
* Experience in building Snowpipe.
* SQL Programming knowledge and experience with MySQL,Postgres,Casandra,Elasticsearch,Redis,OracleDB or MongoDB
* In-depth knowledge of Data Sharing in Snowflake.
* In-depth knowledge of. Snowflake Database, Schema and Table structures.
* Experience in using Snowflake Clone and Time Travel.
* Used JIRA as the Scrum Tool for Scrum Task board and work on user stories
* Worked on Agile Projects Inventory Control, Mass Adjustment, Price Markdown Report and Physical Inventory Reconciliation Tool.
* Implemented a 'server less' architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function, and configured it to receive events from your S3 bucket
* Testing Lifecycle management in healthcare, retail ecommerce application using Agile methodology, including third party integrations such as Paypal, Borderfree, Truefit and Vendornet
* Good knowledge and experience in using Elasticsearch, kibana and fluentd, CloudWatch, Nagios, Splunk,Prometheus and Grafana for logging and monitoring.
* Excellent knowledge of FISMA, FedRAMP, Cloud Computing, Information Assurance, IT Audit, Privacy and security processes, tools and methodologies.
* Developed and performed security compliance in line with Cloud Computing FEDRAMP.
* Performed numerous risk assessments and IT audits ( in accordance with FEDRAMP).
* Designed and developed front - end for Kong (Open-source API Gateway and Microservices Management Layer) from scratch.
* Worked on Serverless services, created and configured HTTP Triggers in the Azure Functions with application insights for monitoring and performing load testing on the applications using the Visual Studio Team Services (VSTS) also called as Azure DevOps Services.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Implemented Team Foundation Server TFS as Version Management for Microsoft Technologies.
* Automated deployment of applications to target environments using algo-cd
* Experience in cloning between different instances of ServiceNow and performing post clone check activities.
* Worked as a SME for ServiceNow implementation of Service Catalog and CMDB & Cloud Management Platform for AWS & Azure.
* Setup MQ and Message Broker Pub/Sub environments
* Worked on Installing and configured Kubernetes for Orchestration of Docker Images and Cluster Container management on Cloud. Kubernetes to manage containerized applications using its nodes, Config Maps selector services and deployed application containers as Pods.
* Worked with Scheduling, deploying, managing container replicas onto a node cluster using Kubernetes and experienced in creating Kubernetes clusters work with frameworks running on the same cluster resources.
* Experienced with using AWS CLI scripts to automate tasks on AWS.
* Migrated existing Java Application and outgoing proxy servers from on premises VM based to micro services applications in GCP.
* Worked on setting up MOVEit Automation to accelerate the rollout of new services and the onboarding of new external data sharing partners by reducing development time while significantly reducing the likelihood of errors.
* Extensively worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments. Set up Continuous Integration for major releases in Jenkin. Knowledge and experience in creating Jenkins Pipeline.
* Worked on Jenkins, Octopus, Team city, and Bamboo by installing configuring and maintaining the purpose of CI and End-to-End automation for all build and deployments implementing CI/CD for database using Jenkins. Configuring Jenkins job to spin up infrastructure using Terraform scripts
* Worked on 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.
* Engineered Splunk to build, configure and maintain heterogeneous environments and have in-depth knowledge of log analysis generated by various systems including security products.
* Build and deploy Java code through Jenkins and Code coverage analysis using SonarQube. Run quality checks using SonarQube& upload it to Nexus repository.
* Writing PowerShell scripts as TFS Build steps to implement multiple business rules. These rules call REST APIs to read Git pull requests, read and update work items, trigger builds, and abort builds if rules are not met. These are consumed by all build definitions and Git repos using submodules.
* Worked on PowerShell to execute commands/scripts, installed remote server administration tools using Powershell, and PowerCLI.

**Environment**: **Azure, GCP**, **Ansible, Terraform, Docker, Kubernetes, Git, Bitbucket, Confluence, Jira Spinnaker Jenkins, Maven, Nexus, Python, DynaTrace, Shell script, Bash,SQLDB,SRE,DynamoDB,** **Postgres, Groovy**

**Equinox Holdings Inc., New York (Oct 2017 – Jul 2018)**

**Role: Cloud & DevOps Engineer**

**Roles & Responsibilities:**

* Automated provisioning of infrastructure for our environments building AWS CloudFormation stacks from the resources VPC, EC2, S3, RDS, Dynamo DB, IAM, EBS, Route53, SNS, SES, SQS, CloudWatch, Security Group, Auto Scaling.
* Used security groups, network ACLs, Internet Gateways, NAT instances and Route tables to ensure a secure zone for organizations in AWS public cloud.
* Worked on Creating EC2 instances in VPC and installed applications. Worked on Identity Access Management and Created users, groups and assigned roles based on their duties.
* Worked on Creating NAT and Proxy instances in AWS and manage route tables, EIP's and NACLs. Configuring of Virtual Private Cloud (VPC) with networking of subnets containing servers.
* Worked on 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 and configuration management tools such as Kafka.
* Worked on integrating AWS DynamoDB using AWS Lambda to store the values the items and backup the DynamoDB streams.
* Developed GoLang software to handle concurrent data collection and processing with goroutines and channels.
* Configured and deployed several hypervisors and VMs running OpenStack for DevOps, testing and production environments.
* Developed AWS Lambda and AWS S3 using GoLang.
* Reaserch and provided support on testing and establishing various connections to the cloud resources sqldb, SQL dw , wasb, data lake from application like web api, Teradata studio, SQL assistant, excel, shell script etc.
* Engaged stakeholders of all levels and in various departments and collaborated with SRE team leadership to own and manage product backlogs.
* Integrated Bitbucket server with PostgreSQL and LDAP server
* Troubleshooting any part of the lifecycle services within the OpenStack including log files, message queues, database, computer hardware, and network connectivity.
* Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of OpenStack Nodes and Test Playbooks on AWS instances using Python.
* Automated configuration management and deployments using Ansible playbooks and YAML. Created Ansible Playbooks to provision Apache Web servers, Tomcat servers, Nginx, Apache Spark and other applications.
* Created internal diagnostic tools using GoLang. Goroutine, Microservices, Channels, Gokit, ORM GORM, Gorilla Mux.
* Integrated Bitbucket server with PostgreSQL and LDAP server
* Worked on Docker to containerize the Application and all its dependencies by writing Docker file, Docker-Compose files, Docker container snapshots, managing Docker volumes, and deployed Docker Swarm using Ansible.
* Good experience in working with godoc, ginkgo, grpc, Golang, and AngularJS in order to assist with the requirements.
* GoLang and Java were used as a backend REST service while AngularJS was used for the user interface.
* As a part of DevOps/SRE team we collect, process,and analyzed diagnostics and usage data from Confidential device across the world
* Created additional Docker Slave Nodes for Jenkins using custom Docker Images and pulled them to Cloud. Worked on all major components of Docker like Docker Daemon, Hub, Images, Registry and Swarm.
* Scheduler for periodic backup of Jenkins,Jira and PostgreSQL
* Created an AWS RDS No SQLDB cluster and connected to the database through an Amazon RDS No SQL DB instance using like Amazon RDS Console.
* Implemented and building tools such as Maven in order to automate and enhance the overall operational environment. Developed build and deployment scripts using Maven as build tool in Jenkins to move from one environment to other environments.
* Experienced in authoring pom.xml files, perform releases with Maven release plugin, and manage Artifacts in NEXUS Repository.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with Python and Shell scripts to automate routine jobs.
* Developed several configurations and setting using JSON, YAML,CFT.
* Implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper.
* Building a Command line tool to interact with RESTful API using in GoLang.
* Wrote and executed various MYSQL database queries from python using Python-MYSQL connector and My SQLdb package.
* Responsible for installing Jenkins master and slave nodes and configure Jenkins builds for continuous integration and delivery. Set up and configure the Jenkins for application deployment.
* Installed and configured GIT and GITHUB. Implemented and maintained the branching and build/release strategies utilizing GIT.
* Automated build and deployment process using Bash, Python, and Shell scripts with focus on DevOps tools, CI/CD in Jenkins.
* 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 Amazon EC2 instances.
* Written shell scripts with Bash, Python to automate tasks like provisioning servers, installing, configuring packages and deploying applications on multiple servers in the Prod & Non-prod environments.
* Automated Datadog Dashboards and assisted internal users for Splunk in designing and maintaining production quality dashboards.
* Migration of all the RMAN/SQLDB agent based backups from LAR/NA source DC's regions into new built local target data centers in NA
* Worked with Nagios for Windows Active Directory & LDAP and Data consolidation for LDAP users. Monitored system performance using Nagios, maintained Nagios servers and added new services & servers.

**Environment:AWS, Git, Maven, Jenkins, Linux, Jira, chef, Ansible, Docker, Splunk, python, EC2, S3, RDS, EBS, ELB, Opswork, Nexus, Bash, Unix/Linux, Nagios, Datadog**,**SQLDB,DynamoDB,SRE,Postgres**

**Johnson and Johnson, USA (Jan 2015 – Sep 2017)**

**Role: AWS Devops Engineer**

* Build AWS infrastructure using resources VPC, EC2, S3, RDS, Dynamo DB, IAM, EBS, Route53, SNS, SES, SQS, Cloud Watch, Cloud Trail, Security Group, Auto Scaling and RDS using Terraform and Cloud formation templates.
* Implemented ETL process to ingest analytical data stored in S3 into a Redshift data Warehouse cluster using AWS Lambda Microservices and Configured & forwarded the data of the ELB Access logs &VPC flow logs to S3 buckets.
* Worked on Terraform for automating VPCs, ELBs, security groups, SQS queues, S3buckets, and continuing to replace the rest of our infrastructure. Using Terraform as a tool, Managed different infrastructure resources Cloud, VMware, Bare Metal Servers, and Docker containers.
* Involved in using Terraform migrate legacy and monolithic systems to Amazon Web Services and provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform.
* Worked with Ansible for Orchestration of Deployments for various servers and managed Ansible Playbooks with Ansible modules, implemented CD automation using Ansible, also involved in managing existing Tomcat Web server and automated the configuration of new servers.
* Integrated Ansible Tower with Jenkins to quickly deploy critical applications managed changes and provided encryption needed for task files with Ansible Vault.
* Container management using Docker by writing Docker files and set up the automated build on Docker HUB and installed and configured Kubernetes.
* Built Jenkins pipeline to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, created pods and managed using Kubernetes.
* Managed Kubernetes environment and deployed docker based applications using Spinnaker and Jenkins. And worked on Spinnaker to integrate AWS infrastructure for creating the continuous deployment pipelines.
* Deployed and configured Atlassian tools like Jira, Confluence and Bitbucket for both hosting and issue tracking for local instances, workflow collaboration, and tool-chain automation. Installed Jenkins on a Linux, created master and slave configuration, and drove all microservices builds out to the Docker registry. Build scripts using Maven in Jenkins to move from one environment to other.
* Creating and Implementing branching and merging strategy with multiple branches and used Git and BitBucket as source code management repository to keep track of version changes.
* Deployed and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full-text search, application monitoring in integration with AWS Lambda and CloudWatch.
* Engineered Splunk to build, configure and maintain heterogeneous environments and have in-depth knowledge of log analysis generated by various systems including security products.
* Configured Jira as defect tracking system and configured various workflows, customizations and plug-ins for the Jira bug/issue tracker.
* Build and deploy Java code through Jenkins and Code coverage analysis using SonarQube. Run quality checks using SonarQube& upload it to Nexus repository.
* Provide support for customer deployments, including automation to create repeatable processes using Jenkins.
* Possessing strong knowledge in Ant and Maven build tools and implementing it with Jenkins with AWS services.
* Worked on architecting and configuring secure VPC through private and public networks in AWS.
* Monitored AWS resources set a notification alarm in case of trouble through CloudWatch.
* Created and managed cloud VMs with AWS EC2 command line clients and AWS management console.
* Written multiple manifests and also customized facts for efficient management of the Saltclients.
* Creating snapshots and Amazon Machine Images (AMIs) of the instances for backup and creating clone instances.
* Designed and implemented fully automated server build management, monitoring and deployment by using Chef.
* Experience in upgrading Windows / SQL Server
* Configured Chef at Linux machines and schedule jobs to read every 30 minutes. Test Chef Cookbook modifications on cloud instances and using Test Kitchen and Chef Spec.
* Used Chef to automate the deployment workflow of Java applications on Apache Tomcat server.
* Implementing a Continuous Delivery framework using Jenkins, CHEF, Maven in Linux environment. Created virtual environments via vagrant with chef client provision.
* Worked on Amazon VPC resources such as subnets, network access control lists, and security groups.
* Worked on launching Amazon EC2 Cloud Instances using Amazon Images (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Worked with AWS services (EC2, S3, RDS, EBS, VPC, IAM, Cloud formation, Auto scaling).
* Worked on Cloud automation using AWS Cloud Formation templates and terraform.
* Automate infrastructure creation, deployment and recovery using Ansible/Salt, Docker, Terraform& Jenkins.
* Design, build and automate the AWS infrastructure (VPC, EC2, Networking, EMR, RDS, S3, etc.) using Terraform/Cloud Formation.
* Strong Server Build skills and building client/server services like NFS, DNS, DHCP, HTTP/HTTPS, SSH, LAMP, VNC, Sendmail, Qmail.
* Automating backups by shell for Linux and PowerShell scripts for windows to transfer data in S3 bucket.
* Strong in building Object Oriented applications using Java, python, Terraform, writing Shell Scripts on UNIX. Rewrite existing Java application in Python&Terraform module to deliver certain format of data.

**Environment**: **AWS (EC2, ECS, VPC, ELB, S3, RDS, Cloud watch, and Route 53), Ansible, Terraform, Docker, Kubernetes, Git, Bitbucket, ELK, Confluence, Jira, Spinnaker, Jenkins, Maven, Nexus, AWS, Shell script, Bash.**

**Dura Automotive Systems, Hyderabad (July 2013 – OCT 2014)**

**Role: DevOps Engineer**

* Developed and supported the Software Release Management and procedures. Performed all necessary day-to-day Subversion/CVS support for different projects. Responsible for design and maintenance of the Subversion/CVS Repositories, views, and the access control strategies.
* Used Jenkins innovatively to automate most of the build related tasks. Improved throughput and efficiency of build system by providing EO/managers rights to trigger required build.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds. Created the branches in Subversion and Perforce to implement the parallel development process.
* Performed Web Logic Server administration tasks such as installation, configuration, monitoring and performance tuning.
* Worked with the Architects on SDLC process being the owner of post development environments.
* Automated deployment of Linux applications, system configuration and security settings using Puppet Enterprise.
* Carried Deployments and builds on various environments using continuous integration tool. Developed and implemented the software release management for the release of web applications.
* Worked closely with development team and SQA team for product releases. Implemented Configuration Management, Change Management policies and procedures. Documented project's software release management procedures with input decisions.
* Developed, maintained, and distributed release notes for each scheduled release.
* Performed various troubleshooting and maintenance operations in Windows Server environments. Deployed the applications to Web Sphere Application Server5.0 and static content to apache web servers.

**Environment:AWS, ANT, Jenkins, Puppet, Maven, Nexus, Subversion, Perforce, Remedy, RHEL, XML, Web Logic, Oracle, Perl Scripts, Shell scripts.**