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Relocation: Ready to relocate anywhere in USA from day 01

Work Authorization: US Citizen by birth

Professional Summary:

- AWS, Cloud, DevOps Engineer with Overall 8+ years of experience in Linux environment, automation of build tools, configuration management tools following Agile methodology and Software Development Life Cycle including monitoring, configuration, troubleshooting and maintenance in cloud and DevOps Environment with Continuous integration and Continuous Delivery process.
- Proficient with Shell, Python, Golang, Shell, JSON, YAML, Groovy scripting languages.
- Having good experience in Database such as Sql, Mysql, No Sql, Mongo DB etc
- Experiencing in Google cloud platform (GCP) API's like compute engine instance to run on public and custom images and familiar with other services cloud functions, Kubernetes engine, VPC Network.
- Around 5+ years of experience in Ansible and around 3+ years experience in Ansible Tower.
- Experience in AWS operations and automation using CLI or API's for various services like EC2, EBS, S3, Glacier, VPC, Route53, Cloud Formation, Cloud Front, OpsWorks, RDS, DynamoDB, Elasti Cache, ELB, Auto scaling etc.
- Experience in Kubernetes to manage the deployment rollouts and rollbacks and created service mesh istio for the traffic management in the production environment. Created pod, deployment, namespace and replication controller YAML definition files to Schedule, deploy and manage containers Nodes in Different Env Dev/Staging/Prod Clusters in Kubernetes.
- Experience in migrating on-premise infrastructure to cloud platforms like Azure, AWS, PCF, OpenStack.
- Over 5 years of experience in Golang, Excellent coding and problem.
- Expertise in infrastructure development and operations by involving in designing and deploying using AWS services like s3, EBSRoute53, ELB, cloud watch monitoring, AMI, VPC, IAM, cloud formation templates, cloud front, AWS EC2 Instance, DNS.
- Worked with APIGEE Edge, Developer Portal & APIGEE Baas platform.
- Experienced in all phases of the Software Development Life Cycle (SDLC) with specific focus on the build and release and quality of software and involved with teams that worked on Scrum, Agile Software Development and Waterfall Methodologies. Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation by using various tools like GitHub, SVN, Bitbucket, Terraform, Ant, Maven, Jira, Jenkins, Bamboo, Chef, Puppet, Ansible, Docker, Kubernetes, Nagios, Golang.
- Worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environments and implemented to reprocess the failure messages in Kafka using offset id.
- Experience on Multiple AWS instances, Creating Elastic Load Balancer and Auto scaling to design fault tolerant, highly available and cost-effective systems.
- Managing Azure Cloud Infrastructure which includes Azure Web Roles, SQL AZURE, AZURE Storage, Azure Web Roles, Worker Roles and AD licenses with Service Fabric, Containers, Resource Manager, ARM automation, Key Vault, Encryption and Security.
- Experienced in managing AWS & GCP cloud computing environments utilizing AWS services VPC, EC2, IAM, S3, ELB, AutoScaling, ROUTE53, RDS and GCP's VPC, IAM, GCE, GKE, GCS
- Experience in managing deployment automation using Packer, terraform to automate system operations.
- Expertise in container-based technologies like Docker, Kubernetes, and OpenShift along with the development of Microservices architecture using Spring Boot including distributed SSO Authentication and Authorization, Distributed Session Management with REST, JSON.
- Designing, installing, administering, and optimizing hybrid cloud components to ensure business continuity (i.e. Azure AD, ADFS, SSO & VPN Gateways); worked with Virtual machines, virtual network, SQL database, traffic manager, storage, ExpressRoute, Automation on Windows Azure platform services.

- Used OpenStack APIs and sdks for Nova, Neutron, Cinder, Swift, Glance, Keystone etc. to manage OpenStack resources for applications running inside data center.
- Expertise in implementation of Office 365 and Azure Active Directory for single sign-on, authentication, authorization and Azure Role-based Access Control (RBAC). Deployment of AD, Identity & Access Management, Azure Multi Factor Authentication, Azure Trust Center.
- Expertise in migrating cloud infrastructure from on premise to Azure, creating Azure ARM Templates, Virtual Networks, Virtual Machines, creating Web Roles, worker Roles, Azure storage, used Microsoft server(2008/12/R2) Azure to deploy using ARM templates, Microsoft SQL Server, Microsoft Visual Studio, Active Directory and Cloud infrastructure.
- Experience with Pivotal Cloud Foundry (PCF) architecture and design, troubleshooting issues with platform components, and developing global/multi-regional deployment models and patterns for large scale developments/deployments on Cloud Foundry and AWS.
- Managing Amazon Web Services infrastructure with automation and configuration management tools such as Chef, Puppet or custom-built.
- Used Ansible to manage Web applications, Environments configuration files, packages, Mount points and users. Also, to create AWS instance, configuration management, and software deployment. Created and used Ansible Playbooks in Ansible Tower and integrated Ansible tower with Jenkins to deploy code to different servers.
- Expertise in configuring Chef Server, Workstation and bootstrapping Nodes, wrote Chef Cookbooks and recipes using Ruby script. Performed testing with kitchen and unit testing.
- Used Chef to manage configuration on connected server. Managed the configurations of multiple servers using chef and bootstrapped instances and integrated with auto-scaling.
- Expertise in Maintenance of Source Control Management Systems such as GIT and Subversion, strong experience with Continuous Integration and Continuous Deployment methodologies with GIT, Jenkins, SonarQube and Nexus repository.
- Deployed various Java applications, web services using CI/CD tools like Jenkins, puppet in standalone and clustered environments and automated builds for .NET applications using Jenkins and managed code in TFS adding virtual IP'S and directories for applications on IIS web server.
- Troubleshoot the build issue during the Jenkins build process and Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
- Deployed the artifacts in Nexus central repository for internal deployments and Managed Nexus repository for the current project created a new repository and provisioned it. Have hands on experience with Bitbucket server.
- Implemented a Continuous Delivery pipeline with Git, Jenkins, Docker. Whenever a new Git branch gets started, Jenkins automatically builds a new Docker container from it.
- Used Docker in creating images and setup Jenkins as a service inside Docker swarm cluster to reduce failover downtime to minutes and automate the Docker containers deployment without CM tools. Used Kubernetes to provide a platform for automating deployment, scaling, and operations of application containers across clusters of hosts.
- Experience on Docker containerization. Collaborated with infrastructure and development support team to setup continuous delivery environment using Docker.
- Expertise with VMware ESXi 5.1/5.5/6.5 Installation, configuration, administration with various virtualization components like vCenter, vSphere to manage VMs running on ESX cluster nodes and worked on vMotion to migrate VMs.
- Migrated Python scripts to Lambda Function in AWS to reduce cost, maintenance overhead for scripts running in AWS EC2. Configured API gateway to create an endpoint which triggers a Lambda function based on the Post request from Upstream Jobs.
- Experience with DNS, DHCP and IP Addressing. Installation and configuration of various services like Apache Web Server, NFS, DHCP, DNS, RPM package management, HTTP, Samba, SSH, LDAP and Send mail. Administering Active Directory and group policies, creating LVMs, Volume groups and file systems. Modifying logical volumes, mounting and unmounting filesystems.
- Experience on scripting languages like Shell, Perl, Python, PowerShell, Ruby, Bash. Ability in development and execution of XML, Shell Scripts and Perl Scripts.

- Skilled with Linux Utilities: Kickstart, SSH, User Management, Process Management, Memory Management, and Text processing tools, Log Management, Package Management, Disk Management and Swap Partition/Files Management.
- Expertise in installing, configuring, and management of MYSQL, SQL Server 2008/2012/2014, PostgreSQL, MongoDB & Cassandra.
- Expertise Achieving High Availability with the help of monitoring tools like (SPLUNK, ELK) and automated Logstash (ELK Stack) as a part of Server Build and building Elasticsearch (ELK Stack).

Certification: AWS Cloud Certified

Technical Skills:

Skill Area	Technical Skills
Scripting Languages	Bash and Python
Continuous Integration Tools	Jenkins/Hudson, Bamboo
Virtualization Technologies	Vagrant , Docker (ECS , Swarm & Kubernetes)
Configuration Management	Ansible, Chef, Puppet
Source Code Management Tools	Git, GitHub, Subversion (SVN), Bit Bucket.
Cloud Platforms	AWS(EC2, EMR, S3, CLOUD FORMATION, ELASTIC BEANSTALK, SNS, OPSWORK, ELASTIC CONTAINER SERVICE, RDS, DYNAMODB, CLOUD FRONT, Route 53, VPC, IAM, SQS, SWF, CLOUD_TRAIL), Azure
Web & App Servers	IIS, Apache, Tomcat, Nginx, Web Sphere and JBoss.
Build Tools	Ant, Maven, Gradle.
Monitoring Tools	ELK , Prometheus , Grafana ,alertmanager , greylogs and Nagios.
Testing Tools	JUnit, Selenium Grid automation
Database System	MySQL, Posgress, Oracle PL/SQL.
SDLC	Agile, Scrum, Waterfall
Bug Reporting Tools	Jira , Rally
Service Mesh	Istio (1.2.5, 1.3.8, 1.4.9, 1.7.3, 1.7.6)

Professional Experience

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Bank of America, Charlotte, NC

Dec' 20 – Till Date

Sr. DevOps/Aws/Azure/Cloud Engineer/SRE

Responsibilities:

- Responsible for versioning the source code, releasing binary files, creating and applying labels on source files and release files.
- Built a Command line tool to interact with RESTful API using Golang.
- Designed and implemented scalable, secure cloud architecture based on Amazon Web Services. Leveraged AWS cloud services such as EC2; auto-scaling; and VPC (Virtual Private Cloud) to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts, and are quickly evolve during develop iterations.
- Implemented multiple high-performance MongoDB replica sets on EC2 with robust reliability.
- Configured Splunk app for ONTAP and Kafka.
- Wrote Ansible Playbooks and adapted Chef Cookbooks as part of Configuration Management for setting up the environment and deployment of artifacts in various Environments dynamically without manual intervention.
- Experience in Infrastructure Development and Operations involving AWS Cloud Services, EC2, EBS, VPC, RDS, SES, ELB, Auto scaling, CloudFront, Cloud Formation, Elastic Cache, API Gateway, Route 53, Cloud Watch, SNS. Implemented istio as a service mesh component to observe and control network flow across services running in multiple Kubernetes in different region.
- Experience in writing the HTTP RESTful Web services and SOAP API's in Golang.

- Wrote Terraform modules to create resource/application stacks in AWS/GCP which used multiple resources like EC2, Autoscaling, ELBs, ROUTE53, VPCs, IAM Policies, S3 buckets, GCE, GKE, GCS
- Wrote scripts to integrate API's with third party applications. Python/Django based web application, PostgreSQL, and integrations with third party email, messaging, storage services.
- Working with AWS services such as EC2, VPC, RDS, CloudWatch, CloudFront, Route53 etc.
- Build Data Sync job on Windows Azure to synchronize data from SQL 2012 databases to SQL Azure.
- Knowledge in Implementation of horizontal auto-scaling use cases using OpenStack components - Heat, Ceilometer.
- Implemented the data platform, data streaming pipeline by enabling DevOps & Cloud ecosystem.
- Wrote unit test for complete Rest API testing.
- Used istio Egress Gateway to control egress traffic from clusters.
- Maintaining the infrastructure (servers for different data centers) using OpenStack. Familiar with OpenStack concepts of user-facing availability zones and administrator facing host aggregates.
- Implemented Micro-services using Pivotal Cloud Foundry (PCF) platform build upon Spring Boot Services and created workflows on TeamCity for setting up automated pipelines for CI/CD with PCF.
- Experience in writing Infrastructure as a code (IaC) in Terraform, AWS Cloud formation. Created reusable Terraform modules in AWS cloud environment and Azure.
- Created GCP projects and migrated on-prem/AWS instances to GCP
- Utilized Ansible Playbooks for pulling the artifacts from the centralized location and deploy it onto the Application/Web Server.
- Wrote application for Kubernetes credential generation in Golang.
- Developed Microservices using Golang and corresponding test cases.
- Worked in creation and modification of Instances, AMI's, and Security Groups within EC2, Monitor and built reports through CloudChecker, and CloudWatch.
- Fundamental mastery of the AWS cloud computing platform, and its many dimensions of scalability - including but not limited to: VPC (Virtual Private Cloud), EC2, load-balancing with ELB, messaging with SQS (and scalable non-AWS alternatives), auto-scaling architectures.
- Developing restful webservice and Microservices using Golang.
- Building and Installing Servers through Cloud Formation Templates or Terraform or AWS Portal or spinning up of resources in AWS through Jenkins deployment.
- Wrote microservices using Golang and worked on test cases and also experience of various python application development and Ci/CD pipeline tools like Github, Jenkins and GCP.
- Implemented ATG Personalization in mobile site and integrating with ATG Ecommerce.
- customer data from the existing RDMS (SQL server) over to HDFS using Sqoop.
- Led Jenkins continuous integration server installation and configuration for all GIT Repositories.
- Configured Kafka heavy forwarder for Splunk in production environment.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker on GCP. Utilized Kubernetes and docker for the runtime environment of the CI/CD system to build, test deploy.
- Automated application packaging and deployments.
- Managed Linux staging and testing environments.
- Scripting and automation capabilities to increase TFS efficiency and reduce manual tasks.
- Established coding standards and enforced them through automated tools.
- Involved in migration applications from PCF to AWS to K8 and some of the legacy modules form DB2 to PostgreSQL.
- Experience with Microsoft Azure, Azure Resource Management templates, Virtual Networks, Storage, Virtual Machines, and Azure Active Directory
- Automated the entire CI/CD using Shell scripts, Python, Ansible and Jenkins.
- Involved in installing, configuring and administration of Redhat Linux 4.x, 5.x, 6.x/7 servers by using Kickstart and Jump Start servers and supported various applications running on them.
- Integrated Kafka Heavy forwarder into the Splunk deployment server.
- Experience in implementation of TCP/IP, HTTP, FTP, NIS, NIS+, DNS, DHCP, NFS, NAS, RAID, Jumpstart installation of Solaris and Kick start in RedHat Enterprise Linux.

- Responsible for Installation and Configuration of Solaris 8/9/10 servers, RHEL servers (3/4/5/6) and AIX servers.
- Troubleshooting and monitoring of various proprietary Acxiom and Third-party applications using Splunk and Cloud Watch in the Amazon Web Services (AWS) And GCP environment.
- Experience in Manage file systems using Software RAID and recover an array, manage file systems using Logical Volume Management , resize file systems and protect them with LVM Snapshots.
- System configuration/hardening using IP tables , SE Linux , TCP Wrappers , ACL and traditional permission on Linux servers as well as restricting access to terminals, disabling unnecessary services and securing.
- Automated the release pipeline to achieve zero touch deployments using Jenkins, Ansible, Shell, Python, Nexus and GitHub.
- Able to create scripts for system administration and AWS using languages such as BASH and Python.
- Configured Splunk app for ONTAP and Kafka.
- Responsible for distributed applications across hybrid AWS and physical data centers.
- Worked on NoSQL database Cassandra.
- Open source Cassandra Migration from Datacenter to other.
- Troubleshooting Cassandra issues.
- Manage IBM Products related DevOps methods using Chef (websphere versions & Portal server clusters) and worked with Amazon AWS in moving QA environments to the cloud.
- Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus Google Cloud Platform (GCP) as a part of POC.
- Manage configuration of Web App and Deploy to AWS cloud server through Chef.
- Created scripts in Python which integrated with Amazon API to control instance operations.
- Deployed a centralized log management system and integrated into Chef to be used by developers.
- Built a prototype Azure application that access 3rd party data services via Web Services. The solution dynamically scales, automatically adding/removing cloud-based compute, storage and network resources based upon changing workloads.
- Educated team about continuous integration and automated testing practices and supported them throughout development.
- Configured Jenkins to implement nightly builds on daily basis and generated change log that includes changes happened from last 24 hours.
- Configuring and Networking of Virtual Private Cloud.
- Connected continuous integration system with GIT version control repository and continually build as the check-in's come from the developer.
- Developed ServiceEntry, Gateway, VirtualService and destination rules on istio mesh for any external service to connect to kubernetes cluster via mesh.
- Integrated chef cookbooks into Jenkins jobs for CD framework and created roles, environments using chef handlers for different auto kickoff requirement jobs.
- Implemented istio mesh on Kubernetes cluster
- Building/Maintaining Docker container clusters managed by Kubernetes , Linux, Bash, GIT, Docker , on GCP. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Using Kubernetes , I have controlled and automated application deployments and updates and orchestrated deployment.
- Created multiple ANT, MAVEN, DOCKER, Shell scripts for build automation and deployment.
- Analyzed the builds using the sonarQube.
- Troubleshooting the issues installing istio and key role in upgrading it to the latest version. Developed terraform module for istio deployment.
- Asynchronous coding in NodeJS applying ExpressJS frame work and nodejs modules.
- Responsible for writing the Release Notes, documenting all the useful info about the release, software versions, changes implemented in current release, Defects fixed, Labels applied.
- Deployed Java/J2EE applications on to Apache Tomcat application servers and configured it to host the wiki website.
- Coordinated with software development teams and QA teams on issues and solved the problem.

Environment: Java/J2EE, GIT, IBM Rational ClearQuest, GCP, Golang, Kafka, Jenkins, VSTS, RDMS, SVN, Chef, ATG Commerce server, OpenStack, PostgreSQL, Amazon Web Servers (AWS), Service Mesh/istio, Cloud Engineer, PCF, visual studio, IaaS, PaaS ANT, MAVEN, Shell (bash), Apache Tomcat Application Server, Linux, SQL

T. Rowe Price, Owings Mills, MD

May' 19 – Nov'20

Sr. Aws/DevOps/Cloud/SRE Engineer

Responsibilities:

- Worked in extreme agile environment with fast moving team and achieved stretch goals.
- Supported and developed tools for integration, automation testing, and release management.
- Performed AWS operations using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.
- Configuring and Networking of Virtual Private Cloud (VPC).
- Working experience with AWS security, Platform security and Network Infrastructure.
- Delivery of API platform Testing and Automation Framework Development on Cloud Platform.
- Used Ansible to Setup/teardown of ELK stack (Elasticsearch, Log stash, Kibana) and troubleshoot the build issues with ELK and work towards the solution. Used Ansible playbooks for provisioning instances on Open stack.
- Setup Alerting and monitoring using Stackdriver in GCP (Google Cloud Platform). Involved in migration activities of Java scripts and Database scripts from Oracle, MS SQL Server and MYSQL into different environments
- Design, build, maintain and support the Apigee infrastructure
- Migrated Python scripts to Lambda Function in AWS to reduce cost, maintenance overhead for scripts running in AWS EC2. Configured API gateway to create an endpoint which triggers a Lambda function based on the Post request from Upstream Jobs.
- Experience in preparing Helm charts to built atop Kubernetes and benefit from its cluster architecture.
- Involved in creating DevOps frame work for various projects within the organization. Implemented DevOps (ATDD, CI, and CD etc.) for applications based on Microsoft Azure (App services and storage).
- Created AWS instances via Jenkins using EC2 plugin and integrated nodes into chef ecosystem via knife command line utility.
- Updating kernel & security patches in Amazon linux environment, handling out of memory issues in Linux kernels during rebalance in Kafka cluster
- Used the command line interface to manage apps, services in Pivotal Cloud Foundry as well as Apps manager.
- Expertise in Azure infrastructure management (Azure Web Roles, Worker Roles, SQL Azure)
- Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Worked as Build and release engineer in field of release automation for java/.Net application to achieve continuous integration (CI) and continuous delivery (CD). Worked on Google Cloud Platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
- Used Airship for configuring, deploying, and maintaining Kubernetes
- Working with Security Groups, configuring Inbound /Outbound rules, creating and importing Key Pairs.
- Implemented routing rules and validation policies in APIGEE.
- Enabled AWS Cloud Watch to monitor major metrics like Network Packets, CPU utilization and load balancer.
- Configure and deploy AWS Lambda service to run codes in response to events and automatically manage resources.
- Configured ceph backend storage for OpenStack (swift and cinder) and added Multiple storage backends to Cinder.
- Setting up and configuring Kafka Environment in Windows from the scratch and monitoring it
- Functional and Performance testing of SAAS and PAAS API platform built on Java and Open source stack.
- Build and Maintained Docker container clusters managed by Kubernetes on GCP. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Integration of Sonar and Selenium with Jenkins to automate the testing of java applications and provided the Acceptance test driven development (ATDD).
- Setting up apigee proxy API on Azure cloud platform Automating the Apigee installations and work flows.
- Used Helm chart for the collection of YAML template files organized into a specific directory structure

- Experience in using AWS Elastic Search and Kibana visualization dashboard plugin. Also have prior experiences in using various plugins through AWS.
- Experience in using AWS Cognito
- Designed and deployed AWS/GCP/Vmware infrastructure as code using Terraform, Ansible, Puppet, Git, and Rundeck
- Create bind user defined and built in services in Pivotal Cloud Foundry (PCF).
- Maintained high degree of competency across the Microsoft Application Platform focusing on .NET Framework, WCF, Windows Azure, and SQL Azure.
- Worked on Terraform and Migration Strategy and developed a POC migrating VMware/On-premises datacenter to AWS utilizing, AWS EC2, EKS, S3, RDS, VPC, and Direct Connect.
- Used Terragrunt to run terraform scripts to automate instances for EC2 instances that were launched manually before.
- 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.
- Used Airship to manage their infrastructure deployments and lifecycle through the declarative YAML documents
- setup ATDD process for running the automated test cases in cucumber and selenium
- Hands-on experience in standing up and administrating on-premise Kafka platform.
- Have involved in creating different Apigee API documents as part of the project requirements.
- Build and release software baselines, code merges, branch and label creation in Subversion/GIT and interfaced between development and infrastructure.
- Used Helm to manage Kubernetes applications
- Written Ansible inventory files and plays to automate infrastructure administration (infrastructure as code) and deployment automation. Created playbooks to install and configure required packages to setup the environments.
- Deployed, Managed and Operated multiple OpenStack distributions like Mirantis, OpenStack, Kolla and OpenStack.
- Automated provisioning of cloud infrastructure with Ansible.
- Mastered with Chef and OpsWorks in Azure environment and implemented Chef-Kitchen on Azure and Pivotal Cloud Foundry (PCF).
- Installed and configured Nexus to publish artifacts for better versioning.
- Responsible for deployment of WAR, EAR files along with environment specific properties, ETL workflows, DB
- High availability testing (both Data platform and API platform), Failover and Operations testing for multi region Amazon AWS product implementations.
- scripts, EAI interfaces and Business objects into QA, SIT, UAT and PROD environments.
- Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo DB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Installed and configured Splunk to monitor EC2 instances with Ansible automation. Created indexes and generated reports.
- Develop REST API proxies in the Apigee API Management platform. Requires knowledge of Apigee scripted policies and Javascript
- Created Database on InfluxDB also worked on Interface, created for Kafka also checked the measurements on Databases
- Experience of using Azure backups and Recovery Vault to migrate on premise to Windows Azure in DR on cloud.
- Automated artifacts and configuration files into WebLogic using Shell script and Jenkins.
- Used GIT Hub repository to run Jenkins job for Continuous Integration.
- Configured Maven POMs to automate the build procedures and added plugins by referring them in the xml.
- Used bug-tracking software like Jira to find, record, report, manage and track bugs.
- Used Jenkins and implemented several CI / CD plugins like build pipeline, Git, JUnit and pipeline plugin.
- Build Scripts using Ant and Maven build tools in Jenkins to move from one environment to other environments.
- Communicating with Developers/QA to make changes to pick dependent products.
- Worked with Docker Trusted Registry as repository for our docker images and worked with Docker container networks.

- Utilized Several Docker best practices to create base images from scratch and to create clear, readable and maintainable clean docker files.
- Automating the deployment procedure, monitoring the deployments and troubleshooting the failed deployments

Environment: Java/J2EE, GIT, IBM Rational ClearQuest, Jenkins, Apigee, VSTS, Kafka, RDMS, SVN, Chef, ATG Commerce server, PCF, OpenStack, ATDD, GCP, PostgreSQL, Helm, Amazon Web Servers(AWS), Cloud Engineer, visual studio, IaaS, PaaS ANT, Airship, MAVEN, Shell (bash), Apache Tomcat Application Server, Linux, SQL

Cardinal Health, Columbus, Ohio

Jan' 2018 – Apr' 2019

Aws/Cloud/DevOps Engineer

Responsibilities:

- Responsible for Architecting Multi AZ Components in AWS like, EC2, IAM, VPC, RDS With Replication, S3 for Object and Static Webpages, Auto Scaling of Micro Services like ECS, ELB with SSL Certs.
- Responsible to change the configuration of the ELB or Route 53 to achieve the Blue green deployment strategies by developing scripts in Python Boto3 to automate this process.
- Experienced in AMI's volume snapshots, RDS snapshots and performed LAMP installation and configuration on Ubuntu, Redhat and Amazon Linux EC2 instances.
- Developed Cloud Formation templates to develop complete Stack on AWS using services like EC2, RDS, S3, EBS, Cloud Watch, SNS, SQS, Cloud Trail. Developed Python scripts to pass in user data when creating the AMI to install services in the Boot time.
- Developed Ansible Playbooks using YAML scripts for launching different EC2 virtual servers in the cloud using Auto-scaling and Amazon Machine Images (AMI).
- Configuring, automation and maintaining build and deployment CI/CD tools git/git-Lab, ANT, Jenkins, Maven, Docker-registry/daemon, Nexus and JIRA for Multi-Environment with high degrees of standardization for both infrastructure and application stack automation in AWS cloud platform.
- Worked on Azure Cloud services, Azure storage, Azure Cli, Azure active directory and Azure Service Bus. Managing Client's Microsoft Azure based PaaS and IAAS environment, developing Runbooks in PowerShell to automate administration of subscriptions and resource groups.
- Installed and configured Azure Active Directory in an application, Active directory connection, setup ADFS and proxy component for SSO to support various protocols for different types of authentication like Security Assertion Markup Language and token-based Kerberos. Managing Users, resource objects and Group Policy Objects (GPOs) throughout the Active Directory.
- Automated the process by using Azure Terraform and Packer build to deploy the Azure infrastructure.
- Developed Azure ARM Templates for different teams to deploy the .Net based application on to Web roles, triggered ARM Templates from the VSTS to build the .Net based applications and worked on Security center to provide updates to the Windows and Linux based systems, Azure Key Vault to encrypt the data.
- Established connection from Azure to On-premise datacenter using Azure ExpressRoute for Single and Multi-subscription connectivity.
- Implemented Azure Site Recovery/Azure Backup, Implement Azure RMS and EMS. Designed and configured Azure Virtual Networks (VNETs) and subscriptions to confirm to Azure Network Limits, subnets, DHCP address blocks, DNS settings, security policies and routing.
- Setup Azure Virtual Appliances (VMs) to meet security requirements as software-based appliance functions (firewall, WAN optimization and intrusion detections).
- Created Ansible Playbooks in Ansible Tower and integrated Ansible tower with Jenkins to deploy code to different servers. Wrote Ansible Playbooks for installing JBoss, WebLogic, Nginx and WebSphere for configuring load balancers and fail over.
- Integrated Terraform with Ansible, Packer to create and Version the AWS Infrastructure, code deployment and orchestration with tools such as Puppet, Chef, Cloud Formation, and automation validation using Test Kitchen, Ansible and Terraform.
- Terraform template to create Load balancers, EC2 instance with auto scaling and monitoring on the fly for different environments. Creating an AWS RDS MySQL DB cluster and connected to the database through an Amazon RDS MySQL DB Instance using the Amazon RDS Console.

- Developed terraform scripts to build, change and version infrastructure as code using AWS as provider and launch multi-tiered stack to be provisioned and configured with terraform scripts.
- Managed different infrastructure resources, like physical machines, VMs and even Docker containers using Terraform and created automated build procedures to ensure code is always ready for deployment in various cloud environments such as AWS, Azure.
- Developed Ansible Playbook to dynamically changes the pipeline configuration of the scripted pipeline by templating the Jenkins file. Integrated Kubernetes cluster deployment using KOPS in to the pipeline for deployments of the cluster with newly created Image to achieve Blue/ Green Deployments.
- Installed and configured Jenkins with SonarQube and GIT by installing GIT plugins and building the artifacts SonarQube for static and dynamic code analysis using Maven automation tool and storing the build artifacts into Nexus repository and deploying it to WebSphere/Tomcat server.
- Developed Jenkins Files as groovy scripted pipelines to build the Docker images, push them to the Docker registry and perform the rolling deployments on to the Kubernetes Clusters.
- Developed automation and deployment utilities using Ruby, Bash, PowerShell and Python. Experienced with version control systems Git and Subversion.
- Worked in designing and implementing continuous integration system using Jenkins by creating Python and Perl scripts.
- Expertise in Shell Scripting and Perl Scripting for Environment Builds and Automating Deployment on WebSphere Application Servers and WebLogic Application Servers.
- Extensive PowerShell experience developing, implementing, and maintaining automation scripts to meet business needs in large scale, highly available, online production environments.
- Used several Python libraries such as wxPython, Numpy and matplotlib for representation or plotting of Network Analysis.
- Used jQuery JavaScript libraries for providing richer user interface and facilitates asynchronous request invocations using AJAX.
- Wrote PowerShell scripts for reporting and automation addressing either a single customer's environment or multiple customer environments also to perform alerting, reporting, monitoring and routine maintenance for domain resources
- Built various containers using Docker engine and Docker Machine environments, to deploy the micro services-oriented environments for scalable applications. Experience in writing Docker files to build the micro-service applications.
- Used Jenkins and pipelines to drive all microservices builds out to the Docker registry and deployed to Kubernetes, Created Pods and managed using Kubernetes. Also configured Kubernetes cluster and supported it running on the top of the CoreOS.
- Deployed Kubernetes Cluster on AWS, VMWare using MiniKube, Kubespray, performed the deployments of the Docker images on to the clusters by updating the Labels and selectors in the Pod definition.
- Building and Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP. Utilized Kubernetes and docker for the runtime environment of the CI/CD system to build, test and deploy.
- Monitored the applications on IBM WebSphere application server and integrated configuration of web apps with WebSphere, involved in the migration of applications from WebSphere 7.0 to 8.5.
- Installation, configuration & upgrade of VMware ESXi, vSphere, vCenter clients, Used VMware vMotion to eliminate application downtime from planned server maintenance by migrating running virtual machines between hosts.
- Installed and configured RedHat Enterprise Linux 7.x, CentOS 7.x and packages for RedHat Linux Servers and configured various services on top of it.
- Experienced in installation, configuration and management of HTTP, NGINX, NTP, NFS, FTP, DHCP, DNS. Created Shell Scripts to monitor the administrative tasks and automated the tasks to free up the resources using Cron jobs.
- Installation of the ELK stack to create a comprehensive log management system to provide insight into the traffic patterns happening on the network.
- Experience in deployment of JIRA applications into existing/default VPC and configuring Amazon Elastic File System to sort the artifacts can be accessed through multiple nodes for High Availability.

- Involved in all phases of Software development life cycle (SDLC) and experienced with fast paced Agile methodologies.

Environment: Java/J2EE, GIT, IBM Rational ClearQuest, Jenkins, VSTS, RDMS, SVN, Chef, ATG Commerce server, Amazon Web Servers (AWS), Cloud Engineer, visual studio, IaaS, PaaS ANT, MAVEN, Shell (bash), Apache Tomcat Application Server, Linux, SQL

Honeywell - Phoenix, AZ

AWS DevOps Engineer

Mar'2015 – Dec'2017

- Responsible for architecting, designing, implementing and supporting of cloud based infrastructure and its solutions.
- Proficient in AWS services like VPC, EC2, S3, ELB, Auto Scaling Groups(ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
- Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
- Used security groups, network ACL's, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
- Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
- Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
- Possess good knowledge in creating and launching EC2 instances using AMI's of Linux, Ubuntu, RHEL, and Windows and wrote shell scripts to bootstrap instance.
- Used IAM for creating roles, users, groups and implemented MFA to provide additional security to AWS account and its resources.
- Written cloud formation templates in Json to create custom VPC, subnets, NAT to ensure successful deployment of web applications.
- Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
- Maintained the monitoring and alerting of production and corporate servers using Cloud Watch service.
- Created EBS volumes for storing application files for use with EC2 instances whenever they are mounted to them.
- Implemented and designed AWS virtual servers by Ansible roles to ensure deployment of web applications
- Experienced in creating RDS instances to serve data through servers for responding to requests.
- Created snapshots to take backups of the volumes and images to store launch configurations of the EC2 instances.
- Responsible for Continuous Integration and Continuous Delivery process.
- Used AWS Lambda to run servers without managing them and to trigger and run code by S3 and SNS.
- Implemented Cloud Trail to capture the events related to API calls made to AWS infrastructure.
- Developed installer scripts using Python and UNIX for various products to be hosted on Application Servers.
- Implementation using Jenkins along with Python and Shell scripts to automate routine jobs.
- Created function in Lambda that aggregates the data from incoming events, then stored result data in Amazon Dynamo DB and S3.
- Provided python build script for building and deploying the application.
- Implemented Continuous Integration using Jenkins and GIT from scratch.

Environment: AWS (EC2, VPC, ELB, S3, EBS, RDS, Route53, ELB, Cloud Watch, CloudFormation, AWS Auto Scaling, Lambda, Elastic BeanStalk), GIT, SQL, Jira, AWS CLI, Unix/Linux, Ruby, Shell scripting, Jenkins, Chef, Terraform, Nginx, Tomcat, JBoss.