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Professional Summary

- Software Integrator and DevOps Engineer/SRE for complex systems with 10+ years of experience in designing the CI/CD process including Software Configuration Management, development cycles, Server configuration, Continuous Integration, Product packaging and managing Release cycles under a variety of technologies.
- Hands on experience working with Version Control tools such as GIT and Apache subversion to perform various tasks such as create and edit repository configurations and assigning access parameters to users, branching repositories depending upon project requirements, generating logs and reviewing changes.
- Extensive experience with Continuous Integration Tools, created and maintained fully automated CI/CD pipelines using Jenkins, GitHub, Argo Cd, Ant Maven.
- Experienced in AWS services such as EC2, ELB, Auto-Scaling, S3, IAM, VPC, RDS, Dynamo DB, Cloud Trail, Cloud Watch, Lambda, Elastic Cache, Glacier, SNS, SQS, Cloud Formation, Cloud Front, Elastic Load Balancing, Beanstalk, EMR, AWS Workspaces.
- Working on various technologies such as Google Cloud Platform, Docker, Linux, Unix, Redhat, Jenkins, Cloudbee Jenkins (Enterprise Version) Terraform, Hashicorp Consul, Vault, Kafka, MySQL, Ansible, Tonomi, Tibco, Mongo DB, MySQL, Git, Maven, Packer, Gerrit, etc.
- Hands-on experience in Logging, Monitoring, and alerting services for servers using NAGIOS, Splunk, Oracle Cloud control(13c), New Relic, and AWS Cloud Watch.
- Have experience in pushing Urban Code Deploy applications to Cloud Foundry.
- Proficiency in strategy and practical implementation of AWS Cloud Services like EC2, S3, VPC, CloudFormation, IAM, Storage Gateway, S3, Glacier, AWS Auto Scaling in launching EC2 instances, EBS, AWS Lambda, EKS.
- Deployed application which is containerized using **Docker** onto a **Kubernetes** cluster which is managed by Amazon Elastic Container Service for Kubernetes (EKS).
- Experienced with setup, configuration and maintain ELK stack (Elasticsearch, Logstash and Kibana) and OpenGrok source code (SCM)
- Experience in dealing with Windows Azure virtual networks, virtual machines, cloud services, resource groups, express route, traffic manager, VPN, load balancing, application gateways, auto-scaling, reading Azure VMs, storage accounts, VHDs, storage pools, migrating on premise servers to Azure and creating availability sets in Azure.
- Implemented Helm charts into our CI pipeline so that deploying new services is easier than ever before!
- creation of a new CI/CD pipeline from scratch in Azure DevOps and Configured and maintained Azure DevOps pipelines, including automated builds and deployments.
- Responsible to designing and deploying new ELK clusters (Elasticsearch, Logstash, Kibana, beats, Kafka, zookeeper etc.
- Good hands on experienced of Docker container and GIT, Kubernaties, Ansible and OpenShift AND IBM Urban Code Deploy.
- Design, build and manage the ELK (Elasticsearch, Logstash, and Kibana) cluster for centralized logging and search functionalities for the App.
- Skilled in monitoring servers using Nagios, Cloud watch and using ELK Stack Elasticsearch Fluentd Kibana.
- Assist leadership with the ongoing development of Azure policies and procedures for the purpose of consistent product delivery
- Experience in designing a Terraform and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, Compute Engines in public and private subnets along with AutoScaler in Google Cloud Platform.
- Involved ETL tool Informatica in designing the Workflows, Worklets, Mappings, Sessions and configuring the Informatica Server using Informatica Power Center 8.6 and scheduling the Workflows and sessions using scheduling tools, Control M.
- Worked in ETL design and development - understanding the tradeoffs of various design options on multiple platforms using multiple protocols.
- Working with ETL tool suite to design and develop work flows, transformation mappings, and UNIX scripting.
- Experience in Designing, Architecting and implementing scalable cloud-based web applications using AWS and GCP.
- Experience in working with Ansible Tower to manage multiple nodes and manage inventory for different environments and automated the cloud deployments using Ansible, and AWS Cloud Formation Templates.

- Expertise in deploying Ansible playbooks in AWS environment using Terraform as well as creating Ansible roles using YAML. Used Ansible to configure Tomcat servers and maintenance.
- Created Azure services using ARM templates (JSON) and ensured no changes in the present infrastructure while doing incremental deployment.
- Creating, validating and reviewing solutions and effort estimate of converting existing workloads from classic to ARM based Azure Cloud Environment.
- Designed and implemented automated process of build and deployment for various .Net and Java applications using various tools as per the needs of projects which includes TFS,GIT,Jenkins and Anthillpro.
- Gathered Client requirements and converting them into the Technical Specifications and developed Web forms using C#.NET.
- Developed ASP.NET MVC 4 application in Test Driven Development environment using Microsoft Test as the Testing framework.
- Set up a GCP Firewall rules in order to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
- Experience with different cloud domains which includes Amazon Web Services, Google Cloud Platform, and Azure Cloud.
- Develop and maintain cloud infrastructure using a combination of Jenkins, Chef and Terraform for Automating CI/CD pipeline in AWS.
- Core development experience Groovy Grails restful web services.
- Utilized git forking workflow with feature branches and pull requests for Terraform GitOps. Terraform plan/apply jobs run within Jenkins pipelines for pre-prod and production AWS environments
- built GitOps-powered continuous delivery pipelines for application deployments.
- Built a user-friendly interface and GitOps pipelines that concealed the complexity of the underlying Kubernetes platform and allowed for baked-in best practices and enforcement of security policies.
- Responsible for writing the Design specifications for the generic and application specific web services in Groovy Grails .
- Web Application Development using Groovy Grails JQuery, AJAX.
- JIRA development with Java and Groovy Scripting
- Worked with container-based deployments using Docker, Docker images, Docker file, Docker Hub, Docker Compose and Docker registries for task and service definitions to deploy tasks on AWS ECS clusters on AWS EC2 instances.s
- Deployed aECSpplication which is containerized using Docker onto a Kubernetes cluster which is managed by Amazon Elastic Container Service for Kubernetes (akseks). Configured 'Kubectl' to interact with Kubernetes infrastructure and used AWS Cloud Formation Templates (CFT) to launch a cluster of worker nodes on Amazon EC2 instances.
- application
- Create A SPLUNK search processing Language (SPL) queries, reports and dashboards.
- Functional with network services like DNS, DHCP, DDNS, IP4, IP6, IPsec, VPN etc.
- Manage configuration of Web App and Deploy to AWS cloud server through Chef.
- Monitored and tracked SPLUNK performance problems, administrations and open tickets with SPLUNK.
- Experience with setting up Chef Infra, Bootstrapping nodes, creating and uploading Chef Recipes, Chef Node convergence in Chef SCM.
- Setting up GitOps tools, ArgoCD to maintain deployment in OpenShift cluster, to treat infrastructure as code
- Performed configuration and deployment orchestration solution for system administrators who perform various tasks such as configuring, provisioning, troubleshooting and maintaining server operations using Chef, Ansible and Puppet.
- Used ANT, MAVEN and Node JS as build tools on Java and JavaScript projects for the development of build artifacts on the source code. Worked on Tomcat Web server for hosting web apps.
- Technical design of the Sybase Upgrade/Oracle Upload Script migration
- Strong experience with Sybase ASE and Unix
- In Database DBA and development experience in Sybase and SQL Server
- Experience in ETL process and relational Databases (Sybase)
- Monitoring the application and hardware alerts in sockeye and taking required action based on the knowledge article if present else identify the fix by working with relevant dev and infrastructure team
- Use Stash, Git for source code control, TeamCity for generating the builds, Serena & TCM for deployment activities, Windeploy for code promotion & deployment, and Jira for project management.

- Help identify and manage risks and dependencies with teams inside and outside of the train
- Worked on migration of offline database infrastructure to cloud using several database technologies such as Oracle DB, MySQL, NoSQL, AWS RDS, Dynamo DB and Redis.
- Hands on experience using Argo CD to trigger fully automated builds from GitHub for the applications which needs often build releases. Utilized advantages of GITOPS in the build and release processes for automation using Bitbucket as Version Control.
- 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
- Designed the data models to be used in data intensive AWS Lambda applications which are aimed to do complex analysis creating analytical reports for end-to-end traceability, lineage, definition of Key Business elements from Aurora.
- Worked on Redis queries to speed up the pipelining with request/response protocols to call several functionalities and operations associated with scripting rules, Worked on Pub/Sub messaging paradigms, Lua scripting/debugging for Redis scripts, Worked on memory optimizations, Integrating Redis Module APIs with several functionalities.
- Experience on SonarQube to check the code quality and code coverage by using custom quality gates and quality profiles for multiple programming languages. Included this tool as a pipeline build step.
- Worked on Blackduck and Veracode to perform scans for open source vulnerability and application integrity. Included these tools as build steps in the pipelines and also granted exclusive access to developers depending upon requests.
- Experience in JIRA task tracking and documenting the completed tasks in Confluence. Worked on ServiceNow for logging changes made to architecture and tracking tickets assigned for tasks by application teams.
- Automated various infrastructure activities like continuous deployment, Application server setup, stack monitoring using Ansible playbooks and has integrated Ansible with Jenkins. Wrote Ansible playbooks with te SSH, Managed configurations of AWS nodes and tested playbooks on AWS instances using Python. Developed Ansible scripts for AWS Orchestration and designed new back end services, Maintaining and expanding of AWS infrastructure.
- Expertise on working with Docker and Kubernetes to perform various tasks such as orchestrating the deployment, scaling and management of Docker containers, Docker images and Docker hub. Used Jenkins pipeline to drive all micro service build outputs to the Docker registry and deployed to Kubernetes. Utilized Docker and Kubernetes for the run time environment of CI/CD system to build and test deployments.
- Experience in developing Spark applications using Spark-SQL in Databricks for data extraction, transformation, and aggregation from multiple file formats for Analyzing& transforming the data to uncover insights into the customer usage patterns.
- 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 Azure Databricks.
- Hands on experience on Unified Data Analytics with Databricks, Databricks Workspace User Interface, Managing Databricks Notebooks, Delta Lake with Python, Delta Lake with Spark SQL.
- Responsible for developed, invoking and implemented validations on JSF backing beans.
- Developed ADF Model components (creation, configuration, and tuning of entity objects, view objects, application modules, bindings and data controls).
- Extensive experience with configuration tools to create, change and improve infrastructure as code using Terraform. Deployed configuration management and provisioning to AWS using Terraform. Involved in automated deployment of EBS on AWS cloud EC2 instance server and automated the complete deployment environment on AWS. Created multiple Terraform modules to manage configurations, applications, services and automate installation process for web server and AWS instances.

Technical Skills
Cloud Platforms: AWS , Azure, Google Cloud Platform
Automation Tools: Jenkins, Chef, ETL, Puppet, Ansible, Docker, Kubernetes, Terraform
Database Systems: Oracle DB, MySQL, AWS RDS, Dynamo DB, Redis
Version Control Tools: GIT, Subversion, Bit bucket, GITHUB
Web Servers: **Apache** Tomcat, Nginx, WebLogic, Web Sphere, Databricks, ADF

Scripting Languages: Java, Perl, Python, Ruby, Bash/Shell Scripting, Groovy
Application Servers: Web Logic Application server, Apache Tomcat
Volume manager: VERITAS volume manager, Logical Volume Manager
Build tools: Maven, Sonar, Ant
Monitoring Tools: Log Stash, Splunk, Nagios, ELK, New Relic, Container Tools, Docker, Kubernetes, Infrastructure Docker Swarm, Kubernetes, ARM
Operating system: **Windows, Linux, UNIX**
Cloud Management: **VMware Cloud Management Suite**

PROFESSIONAL EXPERIENCE:
Comcast Corporation, Philadelphia, PA
Oct 2020 to Till Date
Sr. SRE/Aws/Azure DevOps Engineer

- Extensive experience working on AWS servers and Azure servers performing several operations.
- Managing and Navigating through several repositories in Github and Bitbucket, assigning unique identifier tags such as asset ID, Production ID, Configuration ID.
- Creating Amazon EC2 Cloud Instances using Amazon Web Services and Configuring launched instances with respect to specific applications.
- Working on Multiple AWS instances, set the security groups, Elastic Load Balancer, and AMIs, Auto scaling to design cost-effective, fault tolerant and highly available systems.
- Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for the web application. Experience with Terraform to build infrastructure as a code (IaC)
- Implemented a GIT mirror for SVN repository, which enables users to use GIT.
- Created Argo Cd workflows and Cron-jobs to run security scans.
- Vendors will have new credentials created and saved in the Hashicorp Vault, the Consul acts as backend for the Vault. Then the Vendor would be able to login to the ELB with these credentials and drop files. For the vendors to be able to access the ELB, certain IP's have to be whitelisted through Firewall rules.
- Setup Urban Code Deploy workflows for automated deployment.
- Hands-on experience in log analysis and monitoring with New Relic
- Experience in managing Kubernetes services such as Google Kubernetes Engine (GKE), Azure Kubernetes.
- Implemented Continuous Integration (CI/CD) using Jenkins and GIT.
- Build scripts using Maven build tools in Jenkins to move from one environment to other environments.
- Developed Terraform templates to create load balancers (ELB), EC2 instances with auto scaling, monitoring on the fly for different environments such as QA, SIT, stage which will run on different VPCs.
- Configuring and Networking of Virtual Private Cloud (VPC).
- Used Argo CD to trigger automated builds from GitHub.
- Experience in Designing, Architecting and implementing scalable cloud-based web applications using AWS and GCP.
- Used Microsoft Entity Framework Code First approach for the Data Access Layer for the ASP.NET MVC 4 application.
- Worked closely with Business Teams and Technical Design Architects to understand the flow and client enhancements to the existing applications along with the QA Team.
- Configuring entire CI/CD tools authentication for Jenkins vault secures, stores, and tightly controls access to tokens, passwords, certificates, API keys, etc by HashiCorp Vault Enterprise
- Completed set up of CD environment with focus on Urban Codeu Deploy.
- Used C#.NET as language to develop code behind business logic.
- Worked closely with Cloud teams to build and deploy VM's using Open Stack and VMware.
- Installed and deployed the VMware ESX containers for the VM cloud and Vsphere
- Deployed and Used Argo CD Operator to achieved continuous Delivery pipeline and avoiding manually interaction with cluster.
- GCP - Design, Implementation, Automation, Maintenance, IaaC – GCP (VMs, DBs, K8s Clusters, Load Balancers, CloudFunctions, Logging, Pub/Sub, CloudBuild, BigQuery, CloudSheduler, GKE), GCP Storage, Data Fusion, DataFlow, Pub/Sub, BigQuery, Cloud Composer, AirFlow, Cloud Run, App Engine, Cloud Dataprep, Cloud Spanner, Cloud Data proc
- Modified web services using C# to interact with the other applications and exposed them using SOAP and HTTP.

- Set up a GCP Firewall rules in order to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
- Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
- Involved in Installation and deployed Application performance monitoring (APM) solutions new relic using automation of Jenkins pipelines onto Kubernetes clusters.
- Developed CloudFormation scripts, deployed resources and automated EC2 instances.
- Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
- Assist leadership with the ongoing development of Azure policies and procedures for the purpose of consistent product delivery.
- Responsible to designing and deploying new ELK clusters (Elasticsearch, Logstash, Kibana, beats, Kafka, zookeeper etc.
- Design, build and manage the ELK (Elasticsearch, Logstash, and Kibana) cluster for centralized logging and search functionalities for the App.
- Experience on container orchestration GKE (Google Kubernetes Engine), HELM charts
- Working with Continuous Integration tools including Jenkins and IBM Urban Code Deploy
- Responsible for designing and deploying new ELK clusters (Elasticsearch, Logstash, Kibana, beats, Kafka, zookeeper etc.
- Automated creation of VMWare images using Hashicorp Packer as part of the continuous integration pipeline. Maintained Citrix environments for application virtualization.
- Wrote Terraform templates for AWS Infrastructure as a code (IaC) to build staging, production environments & set up build & automations for Jenkins.
- Worked on Windows Azure Services like PaaS, IaaS and worked on storages like Blob (Page and Block), SQL, Azure.
- Used Azure Kubernetes Service (AKS) to deploy Kubernetes cluster in Azure. Created an AKS cluster in the Azure portal, with the Azure CLI and used template driven deployment options such as Resource Manager Templates and Terraform.
- Managed infrastructure resources like physical machines, VM's and Docker containers using Terraform.
- Created a workspace for log analytics and enabled clustered addons, used integrated Azure Kubernetes service to check and figure out if requests are failing, inspected Kubernetes event or logs and monitor your cluster health.
- Created CI/CD Pipelines on Azure DevOps environments by providing their dependencies and tasks.
- Configuring the Docker containers and creating Docker files for various environment and worked on Kubernetes environment.
- Creating CloudWatch alerts for instances and using them in Auto-scaling launch configurations.
- Installed and configured Docker containers and orchestration platforms such as ECS and Kubernetes.
- Responsible for site reliability engineering, and automation of monitoring, and troubleshooting of RH applications using ALM tool suite including New Relic, Grafana, Prometheus, Sumologic, and Pagerduty.
- Involved in development of Test environment on Docker containers and configuring the Docker containers.
- Performed automation tasks on various Docker components like Docker Hub, Docker Engine, Docker Machine and Docker Registry. Worked with Docker images & Docker Container.
- Involved in development of Test environment on Docker containers and configuring the Docker containers using Kubernetes.
- Created scripts in Python to automate log rotation of multiple logs from web servers.
- Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS CloudWatch logs, Nagios.
- Web enabled the application using Servlets, JDBC, Session Beans, JMS, JSP, and EJB.
- Prepare Java/J2EE development structure for Eclipse, maven, Jetty.
- Used the Eclipse as IDE, configured and deployed the application onto WebLogic application server using Maven build scripts to automate the build and deployment process.
- Developed and designed interfaces using HTML, JSP, Server Side components using Servlets on
- Involved in study of business processes, collection of functional & technical requirements Eclipse and used JPA annotations.
- Good knowledge on Jenkins pipelines, Created and managed multiple projects based on folder view with their respective contents and dependencies inside the folder. Created active directory groups for access parameters for several teams in the project.

- Worked on JIRA for sprint sessions with user story and task assignment for approaching weekly targets. Hosted meetings, assigned targets and tasks for weekly progression.
- Worked on ServiceNow platform with the team to solve complex incidents, problems and tasks with several inputs from several clients/ customers.
- Worked on Docker containers for containerizing applications and builds to perform various tasks.
- Worked on Kubernetes by deploying configurations using yaml files and also orchestrating the container management. Created pods, clusters, nodes. Assigned master and worker nodes for extensive scaling of the modules.

Environments: AWS, Azure, Jenkins, Bamboo, Github, Bitbucket, GCP, Urban Code Deploy, CA release automation, SonarQube, Confluence, JIRA, ServiceNow, Argo CD, AIM Agent, New Relic, CyberArk, Kubernetes, Mesosphere, Groovy and Python Scripting.

Bank of America, Plano, TX
Jun 2018 to Sep 2020
Sr. SRE/Aws/Azure DevOps Engineer
Responsibilities:
- Hands on experience in Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, S3, Glacier, ELB (Load Balancers), RDS, SNS, SWF, and EBS etc.
- Implementing new projects builds framework using Jenkins, Maven as build framework tools.
- Participate in Multiple Projects Architectures and Strategic Decisions meetings to Architect the new Software systems or modify the Existing ones.
- Designing and Implementing AWS cloud-based solutions for on premise applications.
- Responsible for automating the complete project using orchestrator and deploying the stacks in multiple environments.
- Deployed AWS using Terraform on EC2 instance server and automated the complete deployment environments.
- Migrated Jenkins pipeline into Azure DevOps by setting up an organization and project within Azure DevOps. This encompassed the seamless integration of pipelines, deployments, and artifacts storage to perfect the development and deployment process by Argo CD.
- Migrated and automated cloud deployments using API's, Ansible, python and AWS Cloud Formation Templates.
- 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
- Expertise in using IAM to create and manage AWS users and groups, and use permissions to allow and deny their access to AWS resources.
- Regular review and monitor each of your IAM policies to improve the security of your AWS account.
- Implementing a Continuous Delivery framework using Jenkins, Ansible, and Maven in Linux environment.
- Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS nodes and Tested Playbooks on AWS instances using Python.
- Created Python Scripts to Automate AWS services which include web servers, ELB, Cloud front Distribution, database, EC2 and database security groups, S3 bucket and application configuration, this Script creates stacks, single servers or joins web servers to stacks.
- Integrated DevSecOps tools during the build stage to proactively uncover and address security vulnerabilities with truffle Hog, Check Marx in non-production environments using Spinnaker and Argo CD.
- Used Cloud formation to spin up resources effectively, Creating blueprint documents and templates in Cloud formation. Orchestrated provisioning of desired resources using cloud formation.
- Implemented automation scripts for AWS API calls, wait loops, retry logic and several other operations using Cloud Formation. Achieved various operational results such as automatic rollbacks, cleanups and event logging and helpful AWS support using cloud formation.
- Used Terraform to automate, manage and provision infrastructure. Hosted webservers and load balancer for provisioning of resources to optimize the project.
- Worked with Terraform key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation. Orchestrated and migrated CI/CD processes using Terraform Templates and Containerized the infrastructure using Docker, which was setup in Vagrant, AWS and VPCs. Worked with Terraform to create AWS components like EC2, IAM, VPC, ELB, Security groups and Configured RDS instances using Cloud Formations and Terraform. Authored Terraform modules for infrastructure management.

- Authored and published a module to the Terraform registry for enterprise customers to deploy our product inside their AWS environment.
- Worked on tools migration from old tools like PVCS to SVN, Tracker to Jira and finally CI tool Hudson to Jenkins. Used Hudson/Jenkins to perform automated security Builds and Deployments with Argo CD.
- Created reference Architecture and built Minimum Viable product (MVP) for containerization platform using Docker and Kubernetes. Worked with Docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud. Installed and managed Kubernetes applications using helm and created private cloud that supports DEV, TEST, and PROD environments. Deployed Kubernetes Cluster with master/minion architecture and wrote many YAML files to create many services.
- Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible playbooks and has Integrated Ansible with Jenkins.
- Worked on Docker engine and Docker Machine environments, to deploy the micro services-oriented environments for scalable applications, Docker swarm to host cluster and container scheduling, Docker compose to define multiple container applications.
- Experience with chef configuration management tool, responsible for managing chef client nodes and upload the cookbooks to chef server from the work station, Established Chef best practices approach to system deployment and managing Chef Cookbooks as a unit of software deployment and independently version controlled accordingly.
- Configured, Automated and Deployed Chef configuration management to existing infrastructure.
- Used Ansible and Ansible tower as configuration management tool, to automate repetitive tasks, quickly deploy critical applications and proactively manage changes.
- Implemented Python code using Ansible Python API to automate cloud deployment process, Developed Python modules for Ansible customizations.
- Used Ansible playbooks to setup continuous delivery pipeline. Deployed micro services, including provisioning AWS environments using Ansible playbooks, Used Ansible to document all infrastructures into version control.
- Worked on Monitoring systems Nagios, Splunk and repository nexus.
- Configured Jenkins to create Docker image for build and performed tests on a Docker container.
- Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP (Google Cloud Platform). Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploys.
- Managed development team of 6 members by sharing resources and assigning goals and tasks on daily and weekly basis and reporting to project manager on daily basis.
- Implemented Redis migration for higher optimization and better performance as well as scalability.
- Worked on memory optimization for faster query times and responses using Redis.
- Worked on Redis mass insertion while migrating.
- Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
- Developed micro service on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
- Worked on AWS Kafka live stream module implementation with Kubernetes integration.
- Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling Kubernetes AWS infrastructure and micro service container orchestration.

Environments: Jenkins, Cloud formation, AWS, Confluence, Argo CD, Cloud watch, Ansible, Docker, RDS, Apache Tomcat, Maven, Weblogic, Nexus, EC2, Git, Chef, SNS, Redis, Ansible, shell/Perl, Amazon VPC, Json, PostgreSql, Bash, bitbucket, Python, Pom.Xml, Linux, Windows.

Halli Burton Houston, TX
Feb 2016 to May 2018
SRE/Aws DevOps Engineer
Responsibilities:
- Automated Continuous Integration builds and release infrastructure for customized advertising and merchandising site and web service.

- Created resource group which includes virtual machines, network interface, virtual networks, SubNets, load balancers, storage accounts, functions and SQL databases.
- Created CI/CD Pipelines in Azure DevOps environments by providing their dependencies and tasks.
- Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
- Setup GCP Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
- Created azure key-vault in order to store all the credentials for SQL databases and for API keys.
- Used Ansible to provision Azure services and managed those nodes.
- Implemented Ansible to manage all existing servers and automate the build/configuration of new servers. All server's types where fully defined in Ansible, so that a newly built server could be up and ready for production within 30 minutes OS installation.
- Configured Jenkins for Automated Build with Deployment Pipeline. Currently installed Ansible Server and to pick up the Build from repository and deploy in target environments (Integration, QA, and Production).
- Managed Azure instances with vRealize Operations Manager by building customized dashboards which give frequent updates on enterprise-grade metrics and intelligent alerts.
- Worked with automation tools which are pre-installed in azure DevOps portal to build the packages. The automation tools like ANT and MAVEN with build.xml and pom.xml scripting languages depending on the packages like java or python or .NET.
- Integrate structured and unstructured data from on-premises and cloud data sources, transform data in big data and data warehouse engines, then load your data marts into Azure SQL Data Warehouse.
- Expertise in DevOps team, CI (Continuous Integration and, deployment, also provide automated deployments of full application stack using Jenkins/Docker, Ongoing migration of mixed CVS/SVN SCMs over to GIT, done deployment of Docker containers for development, as well as manage by maintaining RHEL 6/CentOS servers run on diversified DevOps systems.
- Experience on Kubernetes for creating Projects, Services for load balancing and adding them to Routes to be accessible from outside, Creation of Pods through new application and control the scaling of pods, troubleshooting pods through ssh and logs.
- Designed, planned and implemented for existing On-Perm applications to Azure Cloud (ARM), Configured and deployed Azure Automation Scripts utilizing Azure stack (Compute, Web and Mobile, Blobs, ADF, Resource Groups, Azure Data Lake, HDInsight Clusters, Azure Data Factory, Azure SQL, Cloud Services and ARM), Services and Utilities focusing on Automation.
- Used Kubernetes for running/managing containers, images and container snapshots, while providing a platform for automating, deploying, scaling and operations of application containers across clusters of hosts.
- Solid experience in building Artifacts using various build tools like Ant, Maven and Gradle and store back to Nexus, JFROG and Artifactory, efficiently run environmental jobs by using provisioning tools like Docker and Vagrant. And, also have experience on Bitbucket server.
- Performed several execution processes such as monitoring using Grafana, ELK (Elasticsearch, Logstash and Kibana) stack, sent notifications using Nagios, used Kibana for visualizing data and navigate the Elastic Stack and leverage the Elastic Maps Service to visualize geospatial data.
- Proficient in DNS, DHCP and IP Addressing, and involved in their installation, configuration, maintenance and implementation of services like NFS, LDAP, Apache SMTP, SSH, HTTP and RPM management, for administrating Capacity Planning, Performance Analysis, Uptime and Response time analysis.
- Implemented writing scripts like Bash, Ruby, Perl, Python, Shell and PowerShell, also created test scripts in SOAP UI and Restful for Testing Web Services, and PowerShell scripts are created to automate common activities and test them.
- Moved database from on-premises and Azure cloud to a centralized data store in the cloud and monitored Copy Data activity in an Azure data pipeline.
- Automated various infrastructure activities like Continuous Deployment using Ansible playbooks and has Integrated Ansible with Jenkins on AZURE.
- Worked on Monitoring systems Nagios and Splunk and repository nexus.

Environments: Microsoft Azure, GCP, Jenkins, Cloud formation, Confluence, Cloud watch, Chef, Docker, RDS, Apache Tomcat, Maven, Nexus, GIT, SNS, SQS, shell, Perl, Amazon VPC, Json, PostgreSql, Bash, bitbucket, Python, Pom.Xml, Linux, Windows.

AQUILENT - Laurel, MD

June 2013 – Feb 2015
Aws DevOps Engineer
Responsibilities:

- As a DevOps Engineer, my role was to migrate the legacy applications to AWS cloud using DevOps tools like Bitbucket, Jenkins, Maven, Nexus, JIRA, Docker, SonarQube and Nexus Repository
- Worked AWS VPC networking and security; Creating subnets, set up peering, ACLs and VPN tunnels, CloudFormation, EC2, VPCs, AWS networking components
- Used Jenkins and Maven to automate the build and deployments for Java based projects to the Tomcat servers and stored the binaries of the projects in Nexus Artifactory
- Developed terraform modules to provision Microsoft Azure resources such as Azure Kubernetes Service (AKS) Cluster, Virtual Network, Subnets, Virtual Machines required to deploy the application in AKS Cluster
- Created Ingress nginx controller pod to expose the pods in the AKS Cluster externally and for Load Balancing
- Implemented Open Service Mesh and Contour to enable TLS/SSL communication between pods in the Azure Kubernetes cluster
- Managing Identity Access management of Azure Subscriptions, Azure AD, Azure AD Application Proxy, Azure AD Connect, Azure AD Pass Through Authentication
- Created secrets with TLS/SSL certificates in Venafi tool by extracting secret/key using OpenSSL and applied to the pods in AKS cluster to microservices/angular application secured
- Installed the app dynamics agent container on pods in AKS cluster in deployment YAML files for monitoring the application
- Used config map YAML files to store the application and app dynamics related environment variables and values
- Used Azure Container Registry to store docker images and Azure Kubernetes Service to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, also used template driven deployment options such as Resource Manager templates and Terraform
- Involved in maintenance of disaster recovery (DR) plans for the application & architecture design
- Involved in Code Reviews & shoulder checks with users
- Managed IAM policies in AWS to define groups, create users, assign roles, and define rules for role-based access to AWS resources and to integrate the Active Directory with IAM
- Using Chef framework involving writing cookbooks to provision infrastructure and configuration management

Environment: GitLab, Docker, Kubernetes, Splunk, Terraform, Azure, AWS, Ansible, Chef, Jenkins, TeamCity, Git, Maven, SonarQube, Check Marx, Nexus Artifactory, Python, PowerShell, YAML, Visual Studio Code, Tomcat, Nginx, Linux, Windows servers 2012/2016, AppDynamics, Venafi, SVN & GitHub, Chef