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**Summary**

* Overall **12+ years** of professional IT experience in System Administration, Software Development, Configuration, Build and Release Engineering, **DevOps** Engineering, Automation, and **Cloud** Computing Platforms like **AWS**, Microsoft **Azure**, **Google** **Cloud**.
* Experienced in provisioning **Amazon** **EC2** instances, AMI, **Elastic** Load Balancer (ELB) and **Elastic** Block Storage volumes (EBS). Also created snapshots and **Amazon** machine images (AMIs) of the instances for backup and creating clone instances.
* Experienced in supporting **AWS** **Cloud** environment with multiple **AWS** instances and configured **Elastic** IP & **Elastic** Storage and have good knowledge with security groups. Good knowledge on configuring instances and backups to S3 bucket.
* Good knowledge on migrating On-premises applications and data onto **AWS** **Cloud**, leveraging the usage of different **services** available in **AWS** like **AWS** Direct Connect, S3 Transfer Acceleration, **AWS** Snowball Edge, Server migration **service** and Data Base migration **service** with live migration of applications implementing Hybrid Migration Strategy. Extensively worked on **DevOps** essential tools, like **Jenkins**, **Bamboo**, **AWS** Code Pipeline for Continuous. Achieved **CI/CD** Pipeline by using the **GitHub**, **Jenkins**, Artifactory, **Ansible** Playbooks.
* Designed and distributed data across all the nodes in a **Cluster** on different availability zones in **AWS** Redshift and experienced in automating the infrastructure using **Terraform** in **AWS** console. Experienced in issue management tools **JIRA**, Clear Quest and Quality center.
* Experienced in Blue/green deployment strategy by creating new applications which are identical to the existing production environment using CloudFormation templates & Route53 weighted record sets to redirect traffic from the old version to the new version via DNS.
* Experienced working with application and architecture teams to conduct proof of concept (POC) and implemented the design in a production environment in **AWS**. Excellent knowledge in Migrating servers, databases, and applications from on premise to **AWS** and **Google** **Cloud** **Platform**.
* Experienced in Pivotal **Cloud** Foundry Setup Configuration/maintenance. Worked on installing, configuring **Cloud** Foundry Ops Manager, App Manager, Etc. Used **ansible** for multimode configuration management over SSH and PowerShell.
* Experienced in provisioning of IaaS, PaaS, SaaS virtual machines and **web**/worker roles on Microsoft **Azure** classic and **Azure** Resource manager.
* Experienced in configuring **Azure** **web** apps, **Azure** App **services**, **Azure** Application insights, **Azure** Application gateway, **Azure** DNS, **Azure** Traffic manager, **Azure** Network Watcher, Implementing **azure** Site. Integration and Continuous Deployment (**CI/CD**) in **AWS**, **DevOps** for Continuous
* Experienced working with **Docker** components like **Docker** Engine, **Docker** Hub, **Docker** Machine, creating **Docker** images, **Docker** Compose and handling multiple images and setting up development & testing environment using **Docker** Swarm and **Docker** Container network.
* Worked on **Kubernetes** to manage containerized applications using its nodes, Config Maps, selector **services** and deployed application containers as Pods. Good understanding of OpenShift **platform** in managing **Docker** containers, **Kubernetes** Clusters.
* Experience in using **Jenkins** and pipelines to drive all microservices builds out to the **Docker** registry and then deployed to **Kubernetes**, created Pods and managed using **Kubernetes**. Managed a PaaS for deployments using **Docker**, **Kubernetes**and Chef, **Puppet** which reduced considerably deployment risks. Proficient in application Deployments & Environment configuration using **Ansible**, Chef, **Puppet**.
* Used **ansible** as configuration management tool and written playbooks for server provisioning, software installation and deployment activities.
* Used **Ansible** Tower to automate repetitive tasks, quickly deploys critical applications, and proactively manages change by writing **YAML** code to automate **Cloud** Deployment Process. Experienced in using Nexus and JFrog **Artifactory** Repository Managers for **Maven** builds.
* Experienced in configuring **Chef** **Server**/Workstation and Bootstrapping Nodes, wrote Chef Cookbooks and recipes using Ruby Script. Performed testing with Kitchen and unit testing. Good working knowledge on source code management tools like **Git**, GitLab, Bitbucket, SVN.
* Extensively used **ANT**/**Maven** as build tools to generate artifacts and created SonarQube reporting dashboard to run the analysis for every project and worked on building of deploying artifacts such as war & ear from source code.
* Experienced in installing, configuring, and managing of databases such as **SQL** Server, **MySQL**, **NoSQL, DB2, PostgreSQL,** **Oracle**, **DynamoDB, MongoDB &** **Cassandra. Experienced in Selected Microcontroller, IDE, Debugger tools, RTOS, and Compiler.**
* Good knowledge in various network **services** like **DNS, NFS, CIFS, FTP, NIS, Samba Server, LDAP**, Remote access, Security management and system troubleshooting skills. Automated the installation of ELK (**Elasticsearch, Logstash and Kibana)** agent with **Ansible** **playbook**.
* Experienced with **REST APIs including WSDL, XSD, XSLT** and **YAML**. Good understanding of API concepts and **REST** architectural style.
* Expertise in **Python**, Perl, Bash, Ruby **scripting** languages for deploying applications on servers. Good knowledge on maintaining of application servers like Apache, Tomcat, **JBoss** etc. Experienced in using Go technologies on UNIX and **Linux** platforms. Expert in Boost STL containers, Design Patterns, Socket programming, Multithreading, GO Procs and GO containers. Experienced in pivotal **cloud** Foundry and OpenStack for continuous automated deployment. Wrote puppet manifests for deploying, configuring and managing collected for metric collection and monitoring.
* Deploy application code using **CI/CD** pipeline with **Azure** **DevOps** in **Azure** **cloud**, scale VM build automation using **Azure** **DevOps** in **Azure** VM agent plug-ins. Used Ticketing & Project Management tools like **Jira**, Team Foundation Server in **DevOps**, **Service** Now, and HPQC.
* Monitored the servers and checked the network performance using **Nagios**, **Splunk**, CloudWatch and logging tool ELK (**Elastic**, Logstash and Kibana). Good knowledge in software unit testing, functional testing, integration testing and regression testing.
* Experienced in creating and managing User accounts, Groups, Profiles, Security, Disk space and Process monitoring in Debian and **RedHat** **Linux**.
* Good experience in working with a team together to deliver best outputs in given time frames. Excellent interpersonal skills, ability to interact with people at all levels. Responsible for installing **Kubernetes** and deploying application on containers in **Kubernetes**.
* Proficient in **Amazon** **AWS** **Cloud** Administration such as **EC2**, S3, EBS, VPC, ELB, Lambda, Glacier, AMI, SNS, RDS, IAM, Route 53, **Cloud** Front, **Cloud** **Watch**, **Cloud** Trail, **Cloud** Formation, Security Groups focusing on high availability, fault tolerance, Auto Scaling using **AWS** Console & **AWS** CLI. Experienced in setting up **CI/CD** pipelines using **Jenkins** and building the art factories.
* Expertise in managing Microsoft's **Azure** infrastructure, **Azure** **web** roles, worker roles, **SQL** **Azure**, **Azure** storage, **Azure** AD licenses, Office 365, **Azure**. Virtual machine backup and recover from a recovery **services** vault using **Azure** PowerShell and portal.
* Experience in dealing with Windows **Azure** IaaS - Virtual Networks, Virtual Machines, Resource Groups, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling. Working with **DevOps** practices using **AWS**, **Elastic** Bean stalk and **Docker** with **Kubernetes**.
* Wrote **Terraform** **scripts** for **AWS** infrastructure. Enabled **AWS** Config to monitor changes in **AWS** accounts and developed **AWS** configuration rules to monitor for unencrypted volumes and untagged resources in accounts. Expertise in working with Bug Tracking Tool like **JIRA**.
* Experienced in System Builds, System Administration, Server builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on UNIX **Red** **Hat** **Linux** Systems.
* Maintained/configured various versions of ESX and ESXi (including 6.0). Experience in working on **Platform** **Service** Controllers and implemented several versions of VCenter installations like Embedded and External with high availability options.
* Migrated from VMware ESXi to Hyper-V 2012 with SCCM SP1 R2 and other tools with VMware on clustered environment, Implemented Migration of Virtual Machines using VMotion, Storage VMotion. Organized different infrastructure resources like physical machines, VMs and even containers using **Terraform**. Integration and Continuous Deployment (**CI/CD**), and Terra form, **Ansible**, **Puppet** for Configuration
* Experience IT work experience based on **DevOps**, Networking, **AWS** - Public **Cloud** and Release Management process that includes end-to-end code configuration, automation and deployments of artifacts for entire SDLC model over **AWS** **Cloud** in 24/7 uptime environments.
* Hands on experience setting up public/private **cloud** infrastructures for PROD and NON-PROD environments using **EC2** instances and serverless computing using **AWS** Lambda Functions. Experienced in Chef, **Puppet**, **Ansible** and Saltstack for deployment on multiple platforms.
* Deployed and configured chef server including bootstrapping of chef client nodes for provisioning. Created Roles, Recipes, Cookbooks and Data bags for server configuration. In-depth knowledge of **DevOps** management methodologies and production deployment Configurations.
* Build tools like **Ant**, **Maven** for the building of deployable artifacts (war & ear) from source code and Continuous Integration with **Jenkins**/Hudson **bamboo**, and Team city. Experience with version control systems like **GIT**, CVS, SVN (subversion), Perforce, and IBM rational team concert.
* Hands - on experience in **Azure** **Cloud** **Services** (PaaS&IaaS), Storage, **Web** Apps, **Active** Directory, Application Insights, **Logic** Apps, Data Factory, **Service** Bus, Traffic Manager, **Azure** Monitoring, OMS, Key Vault, Visual Studio Online (VSO), Cognitive **Services** (LUIS) and **SQL** **Azure**.
* Extensively experienced in Azure Development, worked on Azure **web** application, App **services**, Azure storage, Azure **SQL** Database, Virtual machines, Fabric controller, Azure AD, Azure search, and notification hub. Implementing various resources in Azure using Azure Portal, PowerShell on Azure Resource Manager deployment models. Experience deploying Infrastructure as Code (IoC) applications using ARM Templates (JSON). Extensively worked on DevOps essential tools, like Jenkins, Bamboo, **AWS** Code Pipeline for Continuous Integration of Maven/Nexus, Jenkins, Git, Confluence, **JIRA** and **Cloud** Foundry. Developed Puppet modules to automate deployment, configuration and lifecycle management of key clusters.
* Proficient in containerization tools such as Docker, **Kubernetes**, OpenShift and handled several docker components like Docker Engine, Docker-Hub, Docker Compose, Docker Registry, Docker Swarm and Orchestration tool such as **Kubernetes**.
* Implemented Continuous Integration and Deployment using various CI Tools like Jenkins, Bamboo, Ansible, Chef and Puppet (Configuration Management Tools). Extensively worked on Jenkins CI/CD pipeline jobs for end-to-end Knowledgeable on scripting languages as Python hands on experienced.
* Worked on Terra form to set up the **AWS** infrastructures such as launching theEC2 instances, S3buckets, VPC, Subnets, and created the module driven **AWS** Infrastructure with Terraform. Experienced in setting up CI/CD pipelines using Jenkins and building the art factories.
* Used Ticketing & Project Management tools like **Jira**, Team Foundation Server in DevOps, **Service** Now, and HPQC.
* Extensively worked on Hudson, Jenkins for CI and for End-to-End automation for all build and deployments.
* Experience is using Tomcat, JBOSS, **Web** Logic and WebSphere Application servers for deployments.
* Experience in understanding the concepts of OpenShift **platform** that are used to manage the container and the clusters **Kubernetes** which are primarily used for maintaining the Enterprise server Nexus which manages Artifact’s jar, war files.
* 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**. Integration and Continuous Deployment (**CI/CD**) in **AWS**, **DevOps** for Continuous

**Education**

* Bachelors in Computer Science, Yale University, New Haven, Connecticut - 2003

**Technical Skills**

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| **Operating System** | **Linux** (**Red** **Hat**, CENTOS & SUSE), Ubuntu, Sun **Solaris**, DEBAIN,HP-UX,Windows |
| **CI & CM Tools** | **Jenkins**/Hudson, **Bamboo**, TeamCity, **Ansible**, Chef, **Puppet**, Vagrant |
| **Build Tools** | **ANT**, **MAVEN**, Gradle |
| **Cloud Environment** | **Amazon** **Web** **Services** (**AWS**), **Azure**, **Google** **Cloud** **Platform** (**GCP**) |
| **Containerization Tools/Application servers** | ECS (**Elastic** Container **Service**), **Docker** |
| **Orchestration Tools** | **Kubernetes**, **Docker** swarm, and Apache Mesos. |
| **Version control Tools** | SVN, **GIT**, **GITHUB**, Bitbucket, ClearCase |
| **Scripting** | **Python**, Ruby, Perl, Groovy, **Shell** **Scripting**, Power **Shell** and Go language |
| **Processes** | Agile-**Scrum**, Waterfall, Kanban |
| **Bug Tracking Tools** | **Jira**, ServiceNow, IBM Clear Quest |
| **Web Technologies** | HTML, CSS, Java Script, Bootstrap |
| **Monitoring Tools** | **Nagios**, **AWS** **Cloud** **Watch**, **Splunk**, and ELK. |
| **Application Servers** | Tomcat, **JBOSS**, Apache, IIS, WebSphere, WebLogic |
| **Networking Protocols** | FTP, TCP/IP, HTTP, POP, UDP, SMTP |

**Work Experiences**

***Dataram, Princeton, New Jersey May 2021 - Present***

***Sr.AWS / Devops Engineer***

* Worked with highly available and scalable infrastructure in **AWS** **cloud** by using various **AWS** **services** like **EC2**, VPC, Auto scaling, ELB, RDS, Route53. Deploy and monitor scalable infrastructure on **Amazon** **web** **services** (**AWS**) & configuration management.
* Optimized the **EC2** instances run time using Lambda functions and CloudWatch events. Involved in performing application deployment to **AWS** **Elastic** Bean Stack environment. Create, bind the user defined and built in **services** in Pivotal **Cloud** Foundry (PCF).
* Configured & deployed Java applications on **Amazon** **Web** **Services** (**AWS**) for a multitude of applications utilizing the **AWS** stack, **cloud** formation. Used the command line interface to manage apps, **services** in Pivotal **Cloud** Foundry as well as Apps manager.
* Build, Test and deploy applications by using pivotal **cloud** foundry. Worked on building and deploying Java code through **Jenkins**.
* Configured **Git** and **Maven** plug-ins in **Jenkins** server used **GitHub** repository to run the **Jenkins** job for Continuous Integration (**CI**).
* Setting up commit builds to check for compilation failures of checked-in source code by the developers to accelerate Continuous Integration (**CI**).
* Installed applications on **AWS** **EC2** instances and configuring the storage on S3 buckets, performed S3 buckets creation, policies and also IAM role based policies and customizing the JSON templates. Deploy, configure, maintain compute on **Azure** **Cloud**.
* Managed **Ansible** Playbooks with **Ansible** modules, implemented **CD** automation using **Ansible**, managing existing servers and automation of build/configuration of new servers. Working knowledge of several types of configuration management tools like Chef, **Ansible**. Migrating present **Linux** environment to **AWS** by creating and executing a migration plan, deployed **EC2** instances in VPC, configured security groups & NACL's, attached profiles and roles using **AWS** **Cloud** Formation templates and **Ansible** modules.
* Launched **AWS** and Open Stack instances (SUSE/ Ubuntu/ CentOS) and configured launched instances with respect to specific applications.
* Built & Deployed Java/J2EE to **web** application server in agile continuous integration environment and automated Labelling activities in TFS once deployment is done. Integrated the **Docker** containerized applications to get them functional and working.
* Worked with **Docker** container snapshots, attaching to a running container, managing containers, directory structures and removing **Docker** images. Used **ANT** and **Python** **scripts** to automate the Build and deployment process. Used **maven** for few modules.
* Experienced in creating **AWS** IAM and Security Group in Public and Private Subnets in VPC. Created **AWS** Route53 to route traffic between different regions. Experienced in deployment of applications on Apache **Web** server, Nginx and Application servers such as Tomcat, **JBoss**.
* Involved in phases of testing for example Integration testing, Smoke testing Performance testing and Load testing. We are also using inbuilt test cases in **Jenkins** and running those tests on master branch. Identify the prospective issues in the **Azure** migration and suggesting feasible solutions. Creating fully automated **CI** build and deployment infrastructure and processes for multiple projects.
* Implementing **AWS** Lambda functions to run **scripts** in response to event in **Amazon** Dynamo **DB** table, S3 buckets, HTTP requests using **Amazon** API Gateway. Responsible to designing and deploying new ELK clusters (Elasticsearch, log stash, Kibana, beats, Kafka, zookeeper etc.
* Involved in creating, configuring **AWS** VPC **services**, installed **EC2** instances for the new development team, and used **AWS** Route 53 to maintain the traffic and to create the DNS name. Transformed data among servers using tools **SQL** Server Integration **Services** and BCP.
* Create a custom image of an **Azure** VM with **Azure** PowerShell and create a VM scale set and deploy a high available app on Windows with **Azure** PowerShell. Involved in security testing, Windows Server Administration (WSUS), Infrastructure Solutions, ADD and DNS.
* Experience in load balance Windows VM in **Azure** to create high available application with **Azure** PowerShell and manage **Azure** Virtual Network for Windows VM with **Azure** PowerShell. Experience in Backup and restore files for Windows VM in **Azure** **cloud**.
* Developed build & deployment **scripts** using **MAVEN**. Automated the process using plugins available **Jenkins** and move from one environment to other throughout the build pipeline. Troubleshoot **Azure** related issues and engage internal teams and vendor for issue resolutions.
* Analyzed and determined business requirements and objectives towards determining the optimal configuration of the requirements.
* Perform regular reporting duties as directed by supervisor. Conduct data extractions in support of QOS investigations, RCAs, business opportunities and user communications. Define, manage, and execute operational tests and processes to confirm system health or status.
* Collaborate, consult, coordinate task level work with developers or **scrum** teams on matter of capacity expansion or new feature deployment. Ensure that server and system capacity projections are accurate and prevent any **service** degradation due to lack of resources.
* Boosted efficiency by scheduling jobs for automated tasking and notification of failures and alerts. Served on-call for 24-hour operation and increased effectiveness through resolving issues. **Web** application development using **Web** forms, C#, VB.net, JCL, Jscript and AJAX control.
* Used Elasticsearch for powering not only Search but using ELK stack for logging and monitoring our systems end to end Using Beats.
* Worked on designing and deploying a multitude application utilizing almost all of the main **services** of the **AWS** stack (like **EC2**, S3, RDS, VPC, IAM, ELB, **Cloud** **watch**, Route 53, Lambda and **Cloud** Formation) focused on high availability, fault tolerance environment.
* Integrated **Jenkins** with **GitHub** private repositories builds Automation tools (**Maven** and **Ant**), and Artifact repository for pushing successful build code. Implementing VPC, Auto Scaling, S3, EBS, ELB, **Cloud** Formation templates and CloudWatch **services** from **AWS**.
* Used **Maven** dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects and environments. Built applications using **Maven**, Gradle **scripts**. Involved in checking the quality of the code by using SonarQube.
* Working knowledge/exposure in TOMCAT APACHE, **WEB** **LOGIC** & **WEB** SPHERE, formulated and executed designing standards for DNS servers.
* Deploy application code using **CI/CD** pipeline with **Azure** **DevOps** in **Azure** **cloud**, scale VM build automation using **Azure** **DevOps** in **Azure** VM agent plug-ins. Worked on Performance Monitoring, resolving network issues &tuning the system using tools. Created development (Dev), quality assurance (QA), user acceptance test (UAT), performance testing (PT), production (PROD) and disaster recovery (DR) environments and each environment has close to 10 instances having separate VPC per environment. Creating Chef Cookbooks and Recipes to maintain and automate various parts of infrastructure.
* Implemented **AWS** CloudWatch which monitors Live Traffic, logs, Memory utilization, Disk utilization and various other factors which are important for deployment. Involved in editing the existing **ANT** build files in case of project requirement changes.
* Developing **Maven** Build **Scripts** based on the requirements. Managed **Maven** project dependencies by creating parent-child relationships between projects. Used SVN for source code repository, code integration, Defect tracking in **JIRA** and HP QC.
* **Jenkins** is used as a continuous integration tool for build and deployment of JAVA code, installed and administered **Jenkins** **CI** for **ANT** and **Maven** Builds. Responsible for Installing, administering, repository management, User management in Nexus.
* Participated in the planning, installation, configuration, and maintenance monitoring of on- premise ALM and continuous delivery servers and associated tools. Implemented a comprehensive monitoring and logging strategy to support the Application logs, **cloud** logs and system logs.
* Responsible for the design, development and administration of transactional and analytical data constructs/structures and business reports from legacy to **AWS** and Snowflake. Worked on **CI/CD** tools **Jenkins** and **GIT** version control system for continuous smooth code release process.
* Creating S3 buckets and also managing policies for S3 buckets and utilized S3 bucket and Glacier for Archival storage and backup on **AWS**. Creating public and private subnets within the VPC and attaching them to the **EC2** instances based on the requirement.
* Responsible for configuration changes, code building, code staging, build automation and deployment using tools like Octopus which also includes **scripting** in command line, **Python**, PowerShell, Perl. Configuration on WebSphere which includes writing **Linux** **scripts**- **Shell** **scripting**.
* Continuous Integration using **Maven**, **Jenkins**, Hudson. Involved in migration of Artifactory & **GIT** server. **DB** administration and **scripting** in **SQL**, **MySQL**, **Oracle** databases for report generation and data management. Responsible for User Management, Plugin Management and new job design and setup in **Jenkins**. Created S3 bucket to host a static website with logging and versioning and customizing the template as per the client's requirement.
* Created lambda and wrote lambda function in **Python** script to stream the data from S3 bucket to Elasticsearch.
* Understand the latest features like (**Azure** **DevOps**, OMS, NSG Rules, etc..,) introduced by Microsoft **Azure** and utilized it for existing business applications.
* Creating, validating and reviewing solutions and effort estimate of converting existing workloads from classic to ARM based **Azure** **Cloud** Environment.
* Developed automation system using PowerShell **scripts** and JSON templates to remediate the **Azure** **services**.
* Worked on **GIT** to maintain source code in **Git** and **GitHub** repositories. Created LTA (Logical Technical Architecture) diagrams using Microsoft Visio.
* Created builds and release pipelines in VSTS and done deployments using SPN (secure endpoint connection) for implementing **CI/CD**.
* Implemented automation for deployments by using **YAML** **scripts** for massive builds and releases.
* Customized the log monitoring for a better and convenient reading of the logs by creating the indices and passing them on to the Elasticsearch which provides a URL for Kibana access. Good experience in converting build.xml into pom.xml to build the applications using **Maven**.
* Responsible for designing & deploying new **ELK clusters (Elasticsearch, Logstash, Kibana, beats, Kafka, zookeeper.**
* Responsible for merging, tagging and conflict resolution in **GIT** and administered version control systems to create daily backups and checkpoint files.

***Lone Pine Capital, Greenwich, Connecticut  October 2018 - April 2021***

***Sr.Cloud/Devops Engineer***

* Managed **AWS** **EC2** instances utilizing Auto-scaling, **Elastic** Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for **GIT** and chef. Created **Jenkins** job to build the Artifacts using **Maven**, deploy the **Terraform** templates to create the stack.
* Created **AWS** S3 bucket, performed folder management in each bucket, managed **cloud** trail logs and objects within each bucket and created highly available environments using Auto-Scaling, Load balancers and SQS.
* Setup the **Splunk** server and configured **AWS** for **Splunk** Add-on, Install **Splunk** Agents and configured/Integrate **Splunk** to receive logs.
* Defined **AWS** Security Groups, which acted as virtual firewalls that controlled the traffic which allowed reaching one or more **AWS** **EC2** instances. Worked 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. Container clustering with **Docker** Swan Mesos / **Kubernetes**.
* Creating and Managing Virtual Machines in Windows **Azure** and Setting up communication with the selected ports and worked on designing, building, and improving **cloud** environments on **Amazon** **Web** **Services** and **Azure** **Cloud**.
* Created master-slave configuration to implement multiple parallel builds, created pipelines to pull the source code from **GitHub** periodically and perform builds automated unit test and code quality analysis with JUnit plug-ins, also install and configure SonarQube for static or dynamic code analysis and integrating the **Maven** Build tool. Implementation of **DevOps** environment using **Puppet** for system configuration across environments Integrated **Jenkins** with **Maven** to build various versions of the source code, configured **Ansible** by developing Playbooks to deploy the Artifacts from Nexus repository on to WebSphere, WebLogic, Tomcat application servers. Implemented **AWS** client API to interact with different **services** as Console configuration for **AWS** **EC2**.
* Good hands on experience of creating **Web** Apps using **Python** and Deploy the **Web**-Apps as **Docker** images in OpenShift **Platform**.
* Managed local deployments in **Kubernetes**, creating local **cluster** and deploying application containers, managed **Kubernetes** charts using Helm and created reproducible builds of the **Kubernetes** applications, managed **Kubernetes** manifest files and managed releases of Helm packages.
* Created private **cloud** using **Kubernetes** that supports DEV, TEST, and PROD environments and implemented a production ready, load balanced, highly available, fault tolerant **Kubernetes** infrastructure. Developed **Azure** Runbooks in **Python** and PowerShell to perform the migration of the on premise infrastructure to the **cloud** and Configured ARM Templates which are triggered from the **Jenkins** **CI** **CD** pipeline.
* Worked on **google** **cloud** **platform** (**GCP**) **services** like compute engine, **cloud** load balancing, **cloud** storage, **cloud** **SQL**, stack driver monitoring and **cloud** deployment manager. Migrated on-premises **CI/CD** environment to **GCP**-based deployment at a point-of-sale technology client.
* Worked on creation of **Docker** containers and **Docker** consoles for managing the application life cycle. Implemented **Docker** automation solution for Continuous Integration / Continuous Delivery model. To achieve Continuous Delivery (**CD**) goal on high scalable environment, configured **Docker** coupled with load-balancing tool Nginx. Integration and Continuous Deployment (**CI/CD**) in **AWS**, **DevOps** for Continuous. Integration and Continuous Deployment (**CI/CD**), and Terra form, **Ansible**, **Puppet** for Configuration
* Integrating **Jenkins** with **Ansible**, setting up the environment to applications to be containerized, implementing and configured **Kubernetes**to manage containers and to provide a **platform** for automating deployment, scaling, and operations of application containers across clusters of hosts. Good working experience in **Azure** **Logic** apps, **service** Bus, Document **DB** and **SQL** Database.
* 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.
* Worked on GKE Topology Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers GKE Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers Working with **DevOps** practices using **AWS**, **Elastic** Bean stalk and **Docker** with **Kubernetes**.
* Experience in Microsoft **Azure** **Cloud** Computing development and support. Moderate and contribute to the support forums (specific to **Azure** Networking, **Azure** Virtual Machines, **Azure** **Active** Directory, **Azure** Storage).
* Experience in using **Cloud** Infrastructure management and Implementation Working experience on various **Azure** **services** like Compute (**Web** Roles, Worker Roles), **Azure** Websites, Caching, **SQL** **Azure**, NoSQL, Storage, Network **services**, **Azure** **Active** Directory, Scheduling, Auto Scaling, and Power **Shell** Automation. Worked with **Amazon** **AWS**/**EC2**, and **Google**'s **Docker** based **cluster** management environment **Kubernetes**.
* Extensive working experience with different SDLC methodologies such as Agile and Waterfall with an ability to be creative and to take self-initiatives to execute/manage multiple projects in parallel during time critical situations.
* Deployed **Azure** IaaS Virtual Machines (VM’s) and PaaS role instances (**Cloud** **Services**) into secure VNet’s and subnets, designed VNet’s and Subscriptions to confirm to **Azure** Network Limits. We are developing **Ansible** roles and **Ansible** Playbooks for the server configuration and working with **GIT** to store the code and integrated it to **Ansible** command line to deploy the **playbook**. Involved in Setup and Configuration of Chef Configuration Management.
* Wrote several **Ansible** playbooks for the automation that was defined through tasks using **YAML** format and run **Ansible** **Scripts** to provision Dev, QA servers. Deployed and configured **Git** repositories with branching, forks, tagging, merge requests, and notifications.
* Design, installation, configuration and administration of **Linux** 5,6 and 7 servers and support of OpenShift Enterprise and non-OpenShift support. The operation and support of OpenShift Enterprise and **Docker** **Cloud** **services**. Used **AWS** Lambda to manage the servers and run the code in the **AWS**.
* Created **CI/CD** pipelines and setup auto trigger, auto build &auto deployment with help of the **CI/CD** tool like **Jenkins**, used **Ansible** Control server to deploy Playbooks to machines & systems in inventory. Experience in creating **Docker** Containers leveraging existing **Linux** Containers and AMI's in addition to creating **Docker** Containers from scratch on both **Linux** and Windows servers.
* Developed a Power **Shell** script to automate **Active** Directory and server tasks and Generate reports for administrators and management.
* Used HP ALM, UFT, Rally, groovy, **Jenkins**, Control-M, Artifactory, **Kubernetes**, Version1, Spew, **Docker**, SoapUI, Load runner on this project for testing reporting and other processes at different stages. Virtualized the servers using **Docker** for the test environments and dev-environments needs, also configuration automation using **Docker** containers. Experience in writing **Puppet** manifests to automate configuration of a broad range of **services**.
* Extensively worked on **Jenkins** **CI/CD** pipeline jobs for end-to-end automation to build, test and deliver artifacts and troubleshoot the build issue during the **Jenkins** build process. Creating **Jenkins** jobs and distributing load on **Jenkins** server by configuring **Jenkins** nodes which will enable parallel builds. Managing **Jenkins** artifacts in Nexus repository and versioning the artifacts with time stamp, Deploying artifacts into servers in **AWS** **cloud** with **ansible** and **Jenkins**. Implementation of **DevOps** environment using **Puppet** for system configuration across environments.
* Created continuous integration system using **Ant**, **Jenkins**, **Puppet** full automation, Continuous Integration, faster and flawless deployments.
* Installed and administered **GIT** source code tool and ensured the reliability of the application as well as designed the branching strategies for **GIT**.
* Installed/Configured and Managed Nexus Repository Manager and all the Repositories, Created the Release process of the artifacts.
* Experience on working with on-premises network, application, server monitoring tools like **Nagios**, **Splunk** , AppDynamics and on **AWS** with CloudWatch monitoring tool . Experienced in working on **Scripting** languages **Python**, Ruby,**Shell**, Bash.
* Had done POC on implementation of continuous deployment pipeline with **Jenkins** and **Jenkins** workflow on **Kubernetes**.
* Assist with configuration of **Cloud** Compute systems using OpenStack on Ubuntu, collaboration using Orchestration with Keystone, **Kubernetes** and other functions within Open Stack. Worked on **Jenkins** to implement Continuous Integration and deployment into Tomcat /**Web** **Logic** Application Server.
* Responsible for Configuring Kafka Consumer and Producer metrics to visualize the Kafka System performance and monitoring
* Worked with Atlassian tools like Confluence, **Jira** and Skilled in Test Driven Development (TDD) and Agile Development. Experience customizing **JIRA** projects with various schemas, complex workflows, screen schemes, permission schemes, and notification schemes.

***Allina Health, Minneapolis, Minnesota December 2015 - September 2018***

***Devops Engineer***

* Involved in deploying the content **cloud** **platform** on **Amazon** **AWS** using **EC2**, S3, and EBS. Evaluate Chef and **Puppet** framework and tools to automate the **cloud** deployment and operations. Dockized applications by creating **Docker** images from **Docker** file.
* Using **Amazon** **Web** **Services** (**AWS**) console and **AWS** CLI to launch and manage VM's with Public/Private subnet and setup load balancing, security groups etc. Created **Cloud** Formation templates and deployed **AWS** resources like **EC2**, Auto scaling, EBS, S3.
* Worked on setup up and maintenance of automated environment using Chef Recipes &cookbooks within VMware and **AWS** environment.
* Build **AWS** infrastructure various resources IAM, VPC, Security Group, Auto Scaling, **Cloud** **Watch**, RDS, NACL, NAT, Firewall, Route 53, and **Cloud** Formation JSON Templates. Experience in **AWS** **services** for deploying **EC2** instances with various flavors including **Amazon** **Linux** AMI, RHEL, SUSE **Linux**, Ubuntu as well as creating ELBs and auto scaling to design cost effective, fault-tolerant, and highly available systems.
* Expertise in **Azure** Scalability and **Azure** Availability - Build VMs availability sets using the **Azure** portal to provide resiliency for IaaS based solution and Resource Groups using **Azure** Resource Manager (ARM) to manage network traffic.
* Deployment, implementation of Subversion (SVN) as source control, collaboration and QA tool. Project management, versioning and blame/issue tracking using Subversion (SVN) created **scripts** for Backup and restoring Subversion (SVN) repositories also migrated source control tool from Clear Case to Subversion (SVN) and build tool from **Ant** to **Maven**.
* Experienced in configuring **Cloud** **platform** such as Virtual Networks, VMs, **Azure** Cosmos **DB**, ARM templates, **Azure** Pipelines, Load Balancers, **Azure** **SQL**, **Azure** **Active** Directory, **Azure** Storage, **Azure** Blob Storage, **SQL** Database, **Azure** Functions, **Azure** Monitor, and **Azure** **Service** Bus. Developed the build **CI/CD** pipeline script using different programming languages
* Installed and Implemented **Ansible** configuration management system. Used **Ansible** to manage **Web** applications, Environments configuration Files, Users, Mount points and Packages. Utilized Bit bucket, **Bamboo**, and Crucible and integrated with **Jira** and Confluence.
* Developed build and deployment **scripts** using **ANT** and **MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* Written Lambda functions in **Python** for **AWS** Lambda, Kinesis, and **Elastic** Search, which invokes **python** and Bash **Shell** **scripts** to perform various transformations and analytics on large data sets in EMS clusters. Currently working on **cluster** and network configuration for **Docker** containers running on multiple hosts and configuring a local **Docker** hub for storing **Docker** images internally using the **Docker** registry.
* Configured and maintained **Jenkins** to implement the Continuous Integration (**CI**) process and integrated the tool with **Maven** to schedule the builds and store Artifacts. Implemented a Continuous Delivery pipeline with **Kubernetes**, Microservices, **Jenkins** & **GitHub**, **Maven**, **Ansible**.
* Manages to use **ANT** and **MAVEN** as a build tool on **Linux** projects for the development of build artifacts on the source code like **GitHub** and Subversion (SVN). Migrated on-premises **CI/CD** environment to **GCP**-based deployment at a point-of-sale technology client.
* Responsible for knowledge transfer (KT) and on-boarding support for the different Developer teams on Bit bucket, **Bamboo**, Crucible, **Jira**, and MS Build.
* Also developed **CI/CD** pipeline with **Jenkins** on **Google**'s **Kubernetes** container environment, utilizing **Kubernetes** and **Docker** for the runtime environment for the **CI/CD** system to build, test, and deploy. Planning, deploying, monitoring and maintaining **Amazon** **AWS** **cloud** APM
* Used security groups, network ACLs, Internet Gateways, NAT instances and Route tables to ensure a secure zone for organizations in **AWS** public **cloud**. Collaborating with development teams to enhance deployment processes by implementing Continuous Integration and Continuous Delivery (**CI/CD**).
* Installing, configuring and administering **Jenkins** Continuous Integration tool on **Linux** machines along with adding and updating plug-ins such as **GIT**, **ANT**, and Chef. Used Ticketing & Project Management tools like **Jira**, Team Foundation Server in **DevOps**, **Service** Now, and HPQC.
* Implemented **Jira** with **Maven** release plug-in for tracking bugs and defects and created **ANT** and **Maven** POMs to automate the build process and integrated them with tools like SonarQube, Nexus.  Involved in writing and organizing **Shell** and Perl **scripting** for building complex software systems written some **Shell** **scripts** to automate the process like node federation for distributed platforms.
* Created and configured jobs, script builder, custom command builder, agents in **Bamboo**. Configured **Git** with **Jenkins** and schedule jobs using Poll SCM option deployed the EARs and WARs in **JBOSS** Application server using **ANT** script.
* Wrote Json templates for **cloud** formation and ruby **scripts** for chef automation and contributing to our repository on **GitHub** (sub version control). Deployed and configured **Elastic** search, Logstash and Kibana (ELK) for log analytics, full-text search, application monitoring in integration with **AWS** Lambda and **Cloud** **Watch**. Implemented a **GIT** mirror for SVN repository which enables users to use both **GIT** and SVN.
* Deploy application code using **CI/CD** pipeline with **Azure** **DevOps** in **Azure** **cloud**, scale VM build automation using **Azure** **DevOps** in **Azure** VM agent plug-ins. Container clustering with **Docker** Swan Mesos / **Kubernetes**.
* Implemented **Docker**-**maven** plug-in in and **maven** pom to build **Docker** images for all microservices and later managed **Docker** file to build the **Docker** images from the java jar files. Created **Docker** Images using a **Docker** file, worked on **Docker** container snapshots, removing images and managing **Docker** volumes, also deployed **Docker** Swarm. Involved in building own Paas with **Docker** deployed various applications through Dockers containers.
* Management, and **Docker**, **Kubernetes**, **AWS** **Elastic** Container **Services** (ECS), **Kubernetes Services** (AKS), Helm for Containers and Container Orchestration, and **Splunk**, Prometheus, **Nagios**, **Cloud**. Deployed code on **Web** **Logic** servers for Production, IT, Performance and Development environments using **ANT** **scripts**. Making **DB** deployments thru **Oracle** **SQL**, MS **SQL**.
* Integration of **ANT**/Nexus, **Jenkins**, Atlassian (**Bamboo**), Urban Code Deploy with Patterns/Release, **GIT**, Stash, Confluence, **Jira** and **Cloud** Foundry. Worked in designing and implementing continuous integration system using **Jenkins** by creating **Python** and Perl **scripts**.
* Deployed and configured **Elastic** search, Logstash and Kibana (ELK) for log analytics, full-text search, application monitoring in integration with **AWS** Lambda and **Cloud** **Watch**. Deploy and manage servers through **Puppet** and **scripts**, use **cloud** providers as uninterrupted substrate for implementation. Experienced with working on **Puppet** Master and **Puppet** Agents to manage and configure nodes.
* Installed and set up **Nagios** monitoring system on a dedicated **Amazon** **EC2** server, developed several custom plug-ins for monitoring availability and performance of **AWS** **EC2** instances, integrating Pingdom checks, monitoring **MySQL** databases and results of execution of certain queries, etc.

***Raxco Software, Inc., Gaithersburg, Maryland August 2012 - November 2015***

***Linux & Build Release Engineer***

* Extensively used SMF for **service** management for managing **services** on **Solaris** 10. Supported **Oracle** **DB** and **Oracle** RAC on **Red** **hat** environments. Experience setting up **cluster** environments like Veritas Clustering for high availability of Business- Critical.
* Experience setting **Linux** to support RAC, **Oracle** and WebLogic installations and performed trouble shooting on performance issues on HPUX and **Linux** servers. Experience working with EMC Power path and **Red** **Hat** and **Solaris** Native multipath.
* Experience working with SAN & NAS environments majorly servers connected to EMC Clarions, DMX, Celera's; Net App filers connected to **Linux** and Solaris servers. Experience working with servers connected to on SAN and NAS environments like EMC and NetApp.
* Creating resource pools, zones, and containers on Solaris 10 and T2000 for optimization. Modifying/ Writing scripts in Bash and Korn shell for optimizing day to day administration. Involved in automating builds and deployment process using **Linux** scripting.
* Patch & package administration for installation of patches as per the company policy and installation of packaged.
* Performed tasks on F5 load balancer like ordering new certs, installing, and renewing SSL User, Group management for the UNIX servers.
* Experience in RPM and YUM package management (installation and upgrading), Yum Repository creation and management, patching.
* Experience in Creating and managing users' and groups' accounts, passwords, permissions, logging, disk space usage and processes via Disk Quota, PAM Limits, ACLs, LDAP (helps for management of company's department and users), etc.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Subversion (SVN) source control.
* Analyze and resolve conflicts related to merging of source code for SVN. Implemented continuous integration using Jenkins.
* Maintained build related scripts developed in ANT, shell and WLST/Python. Created and modified build configuration files including Ant's build.xml.
* Managed **AWS** EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Puppet. Implement, maintain and support reliable, timely and reproducible builds for project teams.
* Configured, maintained, applied changes and fail-over schedules of HA servers running Veritas **Cluster** Server and RedHat **Cluster** Server.
* Implemented **Kick** **start** for Red hat environments. Installation and configuration of VMware workstation on **Linux** platforms.
* Involved in complete Administration tasks on SUN Solaris, Red Hat **Linux** and documentation for the projects executed.
* Hardened the new AIX, HP-UX and **Linux** systems because of the newly installed defense-based software systems.
* Manage to install A5200 arrays, new HP-UX systems, SAN and configured LUN for 100 HP-UX systems,60 AIX and 30 Solaris systems.
* Assisted in configuring the application servers with other components such as database, **web** servers, Active Directory, etc.
* Worked Extensively on building and maintaining clusters managed by **Kubernetes**, **Linux**, Bash, GIT, Docker, on GCP (Google **Cloud** Platform).
* Experience in Docker Container, Docker Swarm for creating Docker images and handling multiple images primarily for middleware installations and domain configurations. Implementation of DevOps environment using Puppet for system configuration across environments.
* Worked with configuration management tools like Puppet to implement/maintain puppet manifests for configuring and automating the process of setting up tools/Libraries in Virtual machine server environment.
* Interacted with client teams to understand client deployment requests. Coordinated with the Development, DB Administration, QA and IT Operations teams to ensure there are no resource conflicts. Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful. Installed, monitored, and supported **Web** servers and Application Servers on Solaris and **Linux** environments.
* Created automation tool using Anthill pro for daily weekly quarterly admin activities, build, patch and package tasks. Created repositories according to the structure required with branches, tags and trunks. Attended sprint planning sessions and daily sprint stand-up meetings.
* Perform regular system administration tasks and perform troubleshooting to keep the UNIX/**Linux** environments running smoothly.
* Implement change management requests; resolve incident tickets through ‘HP **Service** center’ ticketing system. Complete UNIX/**Linux** related projects on a timely manner. Installation of Red Hat **Linux** on x86 HW like HP and Dell, Solaris 9, 10 operating systems on SPARC platforms.

***Coherent Corp,Saxonburg, Pennsylvania March 2010 - July 2012***

***System Administrator Linux & Unix***

* Automating the installs using Jumpstart and Kickstart and building post install scripts using **Shell scripting in SUN Solaris and RHEL Servers.**
* Performed installation, configuration and maintenance of Solaris 10 with Veritas Volume Manager 5.0and Veritas **Cluster** Server 5.1.
* Worked extensively with Vendors Sun, NetApp, and HP for troubleshooting the issues and in replacing the failed Hardware.
* Implemented RAID techniques and the creation of Disk groups and volumes, plexes using Veritas Volume Manager 5.0.
* Configured Nagios to monitor the resources on the server farm and support them on a 24x7 basis. Creating account for new users and deleting accounts for the expired users. Extensively used SMF for **service** management for managing **services** on Solaris 10.
* Supported Oracle DB and Oracle RAC on Red hat environments. Experience with Databases like Oracle 10g/11g, **SQL**, **MYSQL**
* Experience setting **Linux** to support RAC, Oracle and WebLogic installations and performed trouble shooting on performance issues on HPUX and **Linux** servers. Troubleshooting and analysis of hardware and software failures for various Solaris servers (core dump and log file analysis).
* Experience working with SAN & NAS environments majorly servers connected to EMC Clarions, DMX, Celera's ;NetApp filers connected to **Linux** and Solaris servers. Experience working with servers connected to on SAN and NAS environments like EMC and NetApp.
* Experience setting up **cluster** environments like Veritas Clustering for high availability of Business- Critical. Creating resource pools, zones, and containers on Solaris 10 and T2000 for optimization. Experience working with EMC Power path and Red Hat and Solaris Native multipath.
* Modifying/ Writing scripts in Bash and Korn shell for optimizing day to day administration.
* Experience in Creating and managing users' and groups' accounts, passwords, permissions, logging, disk space usage and processes via Disk Quota, PAM Limits, ACLs, LDAP (helps for management of company's department and users), etc. Implemented **Kick** **start** for Red hat environments.
* Installed, monitored, and supported **Web** servers and Application Servers on Solaris and **Linux** environments.
* Implement change management requests; resolve incident tickets through ‘HP **Service** center’ ticketing system. Complete UNIX/**Linux** related projects on a timely manner. Hardened the new AIX, HP-UX and **Linux** systems because of the newly installed defense-based software systems.
* Administer the Network issues and Resolving Operating Systems related issues of AIX, **Linux** and making sure that the users get the proper environment for testing. Manage to install A5200 arrays, new HP-UX systems, SAN and configured LUN for 100 HP-UX systems,60 AIX and 30 Solaris systems.
* Experience in creating and adding new disk partitions and File Systems: Swap, LVM (Physical Volumes, Volume Groups and Logical Volumes).
* Experience in configuration **Linux** Network **Services** such as DNS, NTP, NFS, FTP, SSH, LAMP (**Linux**, Apache, **MySQL**, PHP); PostgreSQL database.
* Experience in **Linux** Security: PAM, TCP wrappers, Firewall/IP-tables and **Linux** Monitoring (Nagios). Advanced enterprise level skills in editing files and shell scripts through vi nano editor. Experience in IDE tools like Eclipse, IntelliJ, Flex and Flash Builders and object-centric framework like Hibernate.
* Extensively worked on implementing SOA (**Service** Oriented Architecture) using XML **Web** **services** (**SOAP**, WSDL, UDDI and XML Parsers).
* Familiar with EJB design patterns, **Service** Oriented Architecture (SOA), Aspect Oriented Programming (AOP)..
* Extensively used **SQL** in writing queries, database triggers and stored procedures and functions for database application. Implemented Unit Testing using JUNIT testing during the projects.

**aws**