**PROFESSIONAL SUMMARY:**

* Over 10+ plus years of experience in the IT industry working as a DevOps Engineer in automating, building, deploying, and releasing of code from one environment to another environment.
* As a DevOps engineer worked on various technologies/ applications like **GIT, Jenkins, Terraform, Azure, AWS**.
* Excellent understanding of the principles and best practices of **Software** **Configuration Management (SCM)** in **Agile** and **SCRUM** methodologies.
* Experience in **Configuring, Build/Release Management, Infrastructure as a code (IAC)** and as **Azure DevOps** operations Production and cross platform environments.
* Experience in creating **CI/CD pipelines using Azure DevOps.**
* Experience in deploying code through **Azure** web application servers.
* Experience in setting up **Veracode scans** into the CI/CD pipelines for multiple applications within the organization.
* Experience in managing applications using cloud platforms **AWS Cloud** **Services** and **Azure IAAS, PAAS and SAAS**
* Experience in using the **Build tools** like **Terra Form Enterprise** for the generation of deployable artifacts such as **jar, war, ear** files from the source code.
* Good understanding of storage, load balancers, virtualization, web, database, and messaging services with the ability to dive deep into any of these areas when necessary.
* Experience in designing end to end automation of infrastructure and continuous delivery of the applications by integrating **Cloud formation and Terraform templates.**
* Experience in creating **Snapshots** and **Amazon Machine Images** (AMIs) of the instances for backup and creating clone instances.
* Automated cloud deployments using **Terraform for Azure** and **AWS Cloud Formation** templates.
* Good experience in reviewing system logs files for errors, setting up **CRON** jobs for backups and monitoring processes.
* Strong knowledge in building and maintaining infrastructure for service-oriented architecture applications.
* Implemented rapid-provisioning and life-cycle management for Linux using **Ansible** using custom modules.
* Strong ability to troubleshoot any issues generated while building and deploying.
* Experience in production support in addition to scheduling and running, automating jobs using **Cronjobs.**
* Experience in using protocols like **HTTP, SSL, DHCP, DNS, LDAP**, SSSD and assisted developers in troubleshooting.
* Handled on-call rotation to **provide 24\*7 support** for client's infrastructure.
* Excellent communication, interpersonal, intuitive, analysis skills with ability to work efficiently in both independent and teamwork environments.

**Technical Skills:**

|  |  |
| --- | --- |
| Git, SVN, GitLab | **Version Control Tools** |
| Shell, PowerShell | **Languages** |
| Microsoft Build, Maven, NodeJS | **Build Tools** |
| MySQL, SQL DB, Oracle | **Databases** |
| Jenkins, Azure DevOps | **Continuous Integration Tools** |
| AWS, Azure. | **Cloud Providers** |
| JIRA | **Bug Tracking Tools** |
| Cloud Watch, Splunk, Dynatrace | **Monitoring Tools** |
| Linux, Windows Servers, Ubuntu, Virtual Box, VMware | **Operating Systems/Virtualization Tools** |

**EDUCATION:**

**Southern Arkansas University- Magnolia, AR**Masters in computer & information science - 2016

**PROFESSIONAL EXPERIENCE:**

# Public Partnership Limited -Boston, MA (Remote) Sep 2021 – Present

**Sr. DevOps/Cloud Infrastructure Engineer**

* + Created end-to-end automated **build and release pipelines** using **Azure DevOps** to facilitate seamless code deployments for the client's payroll management system.
  + Created pipeline templates in **YAML** format, ensuring consistent build and deployment configurations across multiple projects within the organization.
  + Worked on **configuring** and **managing release pipelines** in Azure DevOps, enabling smooth and reliable releases of software from development to production.
  + Integrated **Veracode scans** into the CI/CD pipeline, automating security testing throughout the development process for faster feedback on vulnerabilities, expediting risk mitigation.
  + Integrated **Azure Kubernetes Services** with Azure DevOps pipelines, automating application deployment, testing, and continuous delivery to streamline development workflows.
  + Successfully deployed and managed **Azure Kubernetes Service** clusters to provide a scalable and resilient platform for containerized applications.
  + Proficient in deploying, managing, and scaling applications on **OpenShift** container platform.
  + Created custom build tasks and scripts within **Azure DevOps pipelines** to accommodate unique project requirements and automate specialized build processes within the organization, promoting standardization and consistency.
  + Optimized build times by configuring **parallel builds, allowing multiple agents** to process build tasks concurrently, resulting in significant time savings for large projects.
  + Implemented **approval gates** in release pipelines to add an extra layer of control, ensuring that only authorized personnel can approve deployments to critical environments.
  + Performed and deployed builds for various Environments like **QA, Integration, UAT** and **Productions** Environments**.**
  + Configured and Maintained Docker container clusters managed by **OpenShift** on Microsoft Azure for creating run time environments and to test CI/CD along with creating unit test cases to evaluate the builds.
  + Experience with **OpenShift** Origin and OpenShift Container Platform, including cluster setup and configuration.
  + Deployed **Microsoft Dynamics NAV (Navision)** deployments, ensuring successful releases, upgrades, and customization rollouts ensuring seamless adoption of the **ERP** system for clients or the organization.
  + Created **Terraform modules** from Scratch as per the Org requirements for most of the Azure resources in day-to-day activities.
  + Used Terraform provisioners to integrate with **ARM templates, Shell, and PowerShell** scripts to support existing IAC.
  + Created **Terraform** modules and **ARM** templates for Azure infrastructure as a code (IAC) to build staging and production environments.
  + Used **Terraform** and did 'Infrastructure as code' and modifying terraform scripts as and when configuration changes occur.
  + Setting up provisioners using **Shell script** to make it one point automation for Infrastructure as a code by integrating Terraform with **Shell Provisioners**.
  + Automated **Network/ Security resources** on Azure cloud. Setting up D-DOS protection and firewall network protocols using ACL’s endpoints on individual subscriptions.
  + Setting up the **Express Route/ Direct Connect** connectivity from on-premises to Azure using Terraform templates.
  + Utilized Git/GitHub repositories to store Terraform files, ensuring version control and efficient management of infrastructure-as-code.
  + Utilized **Docker** files to define application images, specifying dependencies, configurations, and runtime requirements for containers.
  + Extensively worked on using **Git** repositories within **Azure DevOps** to manage source code efficiently within the context of the client's payroll system.
  + Designed and created custom dashboards in **Dynatrace** to visualize key performance metrics and provide stakeholders with real-time insights into application health.
  + Monitored and managed cloud and on-premises infrastructure using **Dynatrace**, ensuring optimal resource utilization and cost-effectiveness.
  + Worked on deploying and troubleshooting different applications that run on both **Linux and Windows** Operating System, which are hosted on both on-prem and cloud.
  + Installed **Nexus** repository tool to maintain the artifacts/dependencies jars.
  + Worked in an **agile** development team to deliver an end-to-end continuous integration/continuous delivery (CI/CD).
  + Worked with development teams to devise effective **conflict resolution strategies during cherry-picking** to higher environments, ensuring smooth code integration.
  + Automate processes to overcome day to day tasks and adapt to new tools and technologies to address server automations when needed.

**Environment**: Azure, Azure DevOps, CI/CD, Terraform, Git, Git Bash, Azure repos, Kubernetes, Docker, OpenShift, JIRA, Shell, ARM templates, Veracode, Dynatrace.

**Vanguard, Malvern, PA Jan2018 *–* Aug2021**

**DevOps Engineer/ Cloud Infrastructure Engineer.**

* Developed Automation frameworks for both **AWS and Azure** cloud infrastructure deployments.
* Building and provisioning infrastructure through **terraform automation** using Opensource and Platform Terraform Enterprise.
* Created **CI/CD** Pipeline through **Azure DevOps** with MS hosted Release Pipelines and Jenkins pipelines and provided service connections by providing appropriate roles to Service principles created for the connections as an AD service account.
* Integrated **SonarQube** into the CI/CD pipeline to automate code analysis and reporting.
* Implemented CI/CD pipeline with Jenkins. Worked with Application team to generate Artifacts using **Maven** and **ASP.Net** builds for Custom Domain security Path fixes.
* Integrated build and release process through Jenkins on **Azure DevOps** CI/CD to GitHub source code repository.
* Deployed VMware Infrastructure VM’s on nodes using automation on production, test/development environments.
* Created **AWS accounts** and their roles for the various projects and providing infrastructure support.
* Worked on creating **IAM roles SSO integration** and adding appropriate roles on Active Directory for end customers by creating AD groups and adding users.
* Setting up **Azure Virtual networks** & AWS VPC’s for site-to-site, Point-to- Site and Express Route, Direct Connect (Network Provider Model) setting up Network Security with NSG (Network Security Group) and Endpoint ACLS.
* Worked on PowerShell for creating Application Gateway, Azure App services, SQL Servers, Traffic Manager for adding external websites for both corporate and marketing domains.
* Binding **SSL certificates** using Azure Portal (SNI & IP based) as well as local machine. Procured client SSL certificates by working with security teams for both wild card and SAN based certs for updating on custom domains.
* Worked on enterprise level with **AD Integration** for integrating cloud servers from Aws and Azure to On-Premises and adding servers to appropriate OUs with exact Siteconfigs.
* Used traditional way of AD Integration for Windows and LDAP. PBIS, SSSD configuration on Linux servers.
* Wrote **Ansible playbooks** and Jenkins’s file to make provisioning more efficient.
* Created **terraform jobs** using Jenkins and Ansible.
* Worked on Azure services like Azure Databricks, ADLS storages, Azure Data Warehouses, MySQL, Azure SQL servers and supporting many Azure services from Azure cloud.
* Created custom roles on Azure subscription, registering providers for the roles.
* Created Domain Controller in one of the virtual machines and added users to Domain Controller.
* Worked on **terraform scripting for automation** - Creating VM’s, Virtual Networking, VPN, Key Vault, Load balancer, Disk Encryption, and many supported Azure services for automation.
* Deployed websites using IIS Web server and controlled traffic flow using internal and external load balancer.
* Worked on Azure AD bulk user, group and assigning users to SaaS applications.
* Hands on working with file transfer protocols like AZ Copy, FTP, SFTP on Cloud providers.
* Experience in Software Development Lifecycle, Incident, Problem, Change, and Release Management practices.
* Monitored server health, log space utilization, using **Splunk** dashboard.
* Worked on **windows server 2016**, using server manager to monitor the health of server and troubleshoot.
* Created and Implemented change requests, service requests, incidents, and service now requests.
* Ensured all steps are successfully completed and document their completion times and issue logs.

**Environment**: AWS, Azure, Jenkins, CI/CD, VMware, Terraform, SonarQube, Bash, PowerShell, Linux, Windows, Git, Git Bash, Splunk, JIRA.

**Smile Direct Club, Nashville, TN Oct 2015 – Dec 2017**

**Build and Release Engineer.**

* Developed and implemented Software Release Management strategies for various applications through agile process using DevOps tools.
* Worked with development and QA teams to continuously integrate software development using GIT and Jenkins.
* Automated namespace creation, Quota allocation, Service accounts, User group role bindings in **OpenShift** via Jenkins from Service Now catalog request.
* Developed build and deployment scripts using Maven as build tool in Jenkins to move from one environment to other environments and involved in editing the existing GRADLE files in case of errors or changes in the project requirements.
* Implemented continuous delivery pipeline involving Jenkins, Ansible to complete the automation from commit to deployment.
* Installed Ansible tower and wrote playbooks, created roles to rollout configurations to different environments.
* Used file module in Ansible playbook to copy and remove files on remote systems.
* Created Cloud Formation scripts for hosting software on AWS cloud and automating the installation of software through PowerShell scripts.
* Configuration and maintenance Webservers and manage Linux and Windows virtual servers on AWS EC2.
* Developed Dev/Test/Prod environments of different applications on AWS by provisioning Kubernetes clusters on EC2 instances using Docker, Bash, Chef, and Terraform.
* Used JIRA tool to track all the defects and changes related to Build and Release team.
* Created monitors, alarms, and notifications for EC2 hosts using Cloud Watch, creating automated build and release environment using CI/CD tools like Jenkins.
* Involved in resolving merging issues during build and release by conducting meetings with developers and managers.
* Presented reports to Project manager about the progress and issues tracking key project Milestones, plans and resources.

Environment: AWS, GIT, MySQL, LINUX, Jenkins, Docker, JIRA, Ansible, OpenShift, Apache Tomcat, Bash script, Shell Script  
  
**Sacrosanct info, Hyderabad, India**

**Linux System Administrator**  **May 2013 – July 2015**

* + Installation and Configuration of servers with RHEL, Ubuntu, CentOS, and Windows
  + Interacting with 300 users on site and more remotely via email/phone/ticketing systems for their computing needs.
  + Developed, customized and build RPM/YUM on Linux for deployment on various servers through software Development Life Cycle (SDLC)
  + Server IP changes, patch management, performance tuning, NFS, SFTP, SAN, NAS storage handling.
  + Setting up and configuring NFS, NIS, DNS, and PXE bootstrap with Kickstart.
  + Used Rpm and Yum for patch management and resolving kernel panic issues after patching.
  + Setting up different Raid Levels on HP and Dell servers.
  + Installed, configured, Administered, and supported WebSphere Application Servers 6.0/6.1 on Windows and Linux environment using GUI.
  + Creating VM guest hosts, cloning, creating templates and moving machines with Vmotion.
  + Overseeing migrations from physical to virtual and Responsible for building and monitoring over 200 physical and virtual machines.
  + Creating, extending, and reducing LVM’s for managing the disk storage space.
  + Troubleshooting user SSH and user authentication. Configuring OpenSSL and Updating kernel parameters.
  + Writing shell/Bash scripts for Automated Back- ups and Cron Jobs.
  + Installed and configured Apache Webservers and troubleshoot problems arising from Apache Functionality.

**Environment:** GIT, MySQL, LINUX, Webservers, JIRA, Apache Tomcat, Bash script, Shell Script.