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Description automatically generatedDee Smith

Sr. Azure Cloud Infrastructure Engineer

An experienced IT professional with 10+ years of work experience as an Azure Cloud/DevOps engineer. Good knowledge in multi-cloud platforms like **Microsoft** **Azure**, **Amazon** **Web** **Services** (**AWS**). Experience in provisioning resources to Infrastructure as code with tools like **Terraform**, **Cloud** **Formation**. Hands-on experience in containerization, orchestration tools like **Docker**, **Kubernetes**, Configuration management tools like **Ansible**, **Chef**, **Puppet**. Worked with **Continuous** **Integration** and **Continuous** **Delivery** (**CI/CD)** tools like **Jenkins** and **Azure DevOps**. Experienced in architecting, deploying Fault-Tolerant, Cost-Effective, Highly Available, and Secure Servers in **Azure** and **AWS** clouds.

**PROFESSIONAL SUMMARY:**

* Hands-on experience in provisioning **Microsoft** **Azure** **PaaS** services such as **Azure SQL** **DB**, **WebApp**, **Service** **Bus**, **Azure** **Functions**, **Logic** **Apps**, **AKS**, **Service** **fabric** using **Azure ARM** **templates** and **Azure DevOps CI/CD** pipelines.
* Expertise in **Azure** Development and worked on **Azure App Services**, **Azure storage**, **Azure** **Active** **Directory**, **Azure DNS**, **IAM (Identity and Access Management), Azure** **Synapse, Azure Data Lake, Azure Functions, Azure SQL Database**, **Virtual Machines**, **Fabric Controller, Azure Search**, **Azure Service Principal** and **Notification Hub.**
* Experience in migrating the existing v1 (Classic) **Azure networking infrastructure** such as **Azure Virtual network**, **Azure Load balancers**, **Application gateways**, **Express Route**, and **VPN gateways** into v2 (**ARM**) and templating the whole end to end process as possible.
* Extensive experience in developing applications using **.NET Core**, leveraging its cross-platform capabilities and high-performance features.
* Expertise in **Terraform** for building, changing, versioning infrastructure and collaborate the automation of **AZURE** and **AWS** Infrastructure via **Terraform** and **Jenkins**.
* Experience in building AWS Infrastructure, involving AWS **EC2**, **EBS**, **VPC**, **RDS**, **SES**, **ELB**, **Auto** **Scaling**, **CloudFront**, **Elastic** **Cache**, **AWS** **Glue**, **API** **Gateway**, **Route** **53**, **SNS** through **AWS Cloud Formation Templates**.
* Hands-on experience in setting up CI/CD pipelines for Fiserv DNA applications, enabling rapid and reliable delivery of changes to production environments while ensuring quality through automated testing and validation.
* Demonstrated expertise in working with **Helm**, a package manager for **Kubernetes**, to simplify the deployment and management of applications on **Kubernetes clusters**.
* Proficient in utilizing **Azure NPS** metrics and data to measure and evaluate customer satisfaction and loyalty towards **Microsoft Azure cloud** services.
* Proficient in managing configurations of Fiserv DNA environments across multiple stages (development, testing, production) using tools like Ansible, Puppet, or PowerShell DSC, ensuring consistency and reliability of deployments.
* Extensive experience in creating **Helm charts** to package and distribute applications, ensuring consistent and repeatable deployments across different environments.
* Incorporated **C# security libraries** and scripts to automate security scans and vulnerability assessments for C# codebases.
* Implemented secure coding practices within **C# projects** as part of the DevOps pipeline.
* Integrated **Python** applications with databases (e.g., **MySQL,** **PostgreSQL**, **MongoDB**) using appropriate libraries or **ORM (Object-Relational Mapping)** tools for efficient data storage and retrieval.
* Experience in migrating on-premises applications to **Azure**and configured **VNETs**and **subnets**as per the project requirement also performed **PowerShell Scripting**to do **Patching,** **Imaging** and **Deployments** in **Azure.**
* Developing and maintaining automated **CI/CD pipelines** using tools like **Jenkins, GitLab CI/CD, or ServiceNow's own DevOps tools**. This involves configuring build, test, and deployment stages, integrating with **version control systems**, and ensuring proper test coverage and quality assurance processes.
* Integrated **Security scanning tools** such as **SonarQube** or **Azure Security Cente**r into **CI/CD pipelines**, identifying and addressing vulnerabilities early in the software development lifecycle.
* Extensive knowledge on deploying **Kubernetes(k8s)** clusters in **Google Cloud** and managing them using **Google Kubernetes Engine** and working on **Google Cloud Functions** to automate responses for HTTP requests.
* Automated ASP.NET application builds using **MSBuild** and integrated the process into CI/CD pipelines for consistent and reliable builds.
* Orchestrated automated deployments of **ASP.NET applications**, optimizing release cycles and reducing downtime.
* Designed and implemented **Backstage.IO** infrastructure for efficient management of services, enabling centralized visibility and control.
* Implemented end-to-end CI/CD pipelines integrating **Backstage.IO** for continuous integration, testing, and automated deployment.
* Strong command in establishing **Google** **Cloud** **Platform** **CDN** (content delivery networks) from **GCP Cache** locations to provide content reduce latency and improve the user experience.
* Experience in using **Nexus** and **Artifactory Repository** Managers for **Maven** builds and used **Maven** dependency management to deploy snapshot and release artifacts to **Nexus** to share artifacts across projects.
* Involved in Serverless services (**Azure** **Functions**) where I created and configured **HTTP** **Triggers** in the **Azure** **Functions** with Application **Insights** for monitoring and performing the load testing on the Applications using the **VSTS** (**Visual** **Studio** **Team** **Services**).
* Experience in **Private Cloud** and **Hybrid cloud** configurations, patterns, and practices in Windows **Azure** and **SQL** **Azure** and in **Azure** **web** and database deployments.
* Good exposure on all areas of **Jenkins** like Plugin Management, Securing **Jenkins**, Performance issues, Analytics, **Scaling Jenkins**, integrating Code Analysis and Test Phases to complete the **CI/CD** pipelines within **Jenkins.** Good exposure in deploy **PaaS** services on cloud infrastructure using **ARM** **templates** & **PowerShell**.
* Maintained comprehensive documentation for DevOps processes, configurations, and best practices related to .**NET applications**.
* Experience deploying Infrastructure as a Code (IAC) using **Terraform** and **Git** Version Control. Built end to end **Jenkins CI/CD** Pipelines using **groovy** scripts to create **AWS** infrastructure containing **Terraform** code to retrieve code, compile applications, perform tests and push build artifacts to **Nexus**.
* Expertise in setting up **Docker** daemon, **Docker** **client**, **Docker** **hub**, **Docker** **swarm**, **Docker** **Console**, **Docker** **registries**, **Docker** **images** from **Docker** **file** and handling multiple images by storing them in containers to deploy.
* Documented deployment procedures and troubleshooting guides for .NET environments.
* Development level experience in **Microsoft** **Azure**, **ASP.NET, ASP,** and **C #.NET**, **Web** **Services**, **WCF**, **Web** **API**, **ADO**, **JavaScript**, **jQuery**, **AngularJS**, **Bootstrap**, **PowerShell**, **CSS**, **HTML**, **UML**, and **XML**.
* Good knowledge of **ARM** **template** format (**Parameters**, **Variables**, **Functions**, and **Resources**). Implemented a complete automated build-release solution using a combination of technologies like **Maven, TFS, Jenkins.**

**Technical Skills:**

|  |  |
| --- | --- |
| Cloud Technologies | **Azure**, **AWS**, **Google** **Cloud**. |
| Containerization | **Docker, Docker Swarm, Kubernetes.** |
| CI/CD Tools | **Jenkins/Hudson, Azure Dev0ps, GitHub Actions, Git Lab pipelines.** |
| Configuration Management Tools | **Ansible, Chef, Puppet.** |
| Version Control Tools | **GIT, GitLab, Bitbucket, SVN, TFS.** |
| Scripting Languages | **Python, Ruby, JSON, YAML, Bash shell, Power shell, Groovy.** |
| Monitoring Tools | **Nagios, ELK, App Dynamics, Cloud Watch, Splunk, Azure Monitor.** |
| Virtualization Technologies | **VMware, Vagrant.** |
| Operating Systems | **Ubuntu, CentOS, RedHat Linux, Fedora, Windows.** |
| Databases | **MySQL, Dynamo DB, Postgres SQL, Mongo dBs, Oracle dB, Azure SQL Database.** |
| Web Servers | **Nginx.** |
| Build Tools | **Maven, Ant, Gradle.** |
| Bug Tracking Tools | **JIRA, Azure DevOps** |
| Repository Management | **J Frog, Nexus, Artifactory.** |
| Networking | **DNS, DHCP, FTP/TFTP, NFS, SMTP, TCP/IP, NIS, HTTP/HTTPS, WAN, LAN, Palo Alto, Cisco Routers/Switches** |

**PROFESSIONAL EXPERIENCE:**

**Sr. Azure Cloud Infrastructure Engineer JULY 2022 - Present**

**Rockefeller Capital Management – Remote, USA.**

**Responsibilities:**

* Designed, configured, and deployed **Azure** Automation Scripts for a multitude of applications  
  utilizing the **Azure** **stack** (Including Compute, Web & amp; Mobile, **Blobs**, **Azure** **Data** **Factory**, **Azure Data Lake,** **Resource** **Groups**, **Insight Clusters**, **Azure** **SQL**, **Cloud** **Services**, and **ARM**), Services and Utilities focusing on Automation.
* Automated the deployment of .**NET** applications in Azure using ARM templates for infrastructure provisioning.
* Built an application environment to operate at high availability in different Azure regions by using **CDN** (**Cloud Delivery** **Network**), **Azure** **Traffic Manager**, App Services-**Web** **Apps**, **Azure** **Active** **Directory**, **Azure** **DNS,** **Azure** **Storage** **Queues**, **Azure** **Functions**, **IAM (Identity and Access Management), Cognitive** **Services**, **Azure** **Search**, **Azure** **Synapse, Storage** **Blobs**, **Redis** **cache**, and **Azure** **SQL** **Database**.
* Created and managed **Azure AD** (**Active** **Directory**) tenants manage users and groups and configure application integration with **Azure AD**. Integrate on-premises Windows **AD** with **Azure AD**, configure **multi-factor authentication (MFA).**
* Implemented security best practices and compliance standards for Fiserv DNA environments within the DevOps pipeline, including vulnerability scanning, access controls, and audit trails to ensure data protection and regulatory compliance.
* Created comprehensive documentation and conducted training sessions for team members on DevOps practices specific to Fiserv DNA, ensuring knowledge transfer and empowering the team to effectively manage and support the platform.
* Created **Azure** **Role-based Access Control (RBAC**) to segregate duties within our team and grant only the amount of access to users that they need to perform their jobs.
* Worked with containerization technologies like Docker, enabling efficient deployment and scalability of **.NET Core** applications.
* Led the **architecture** and design of complex, enterprise-level applications, ensuring scalability, performance, and maintainability. Developed **application blueprints**, outlining system components, interactions, and technologies to guide development teams.
* Developed and maintained **Python**-based applications, scripts, and tools to automate various processes, improving efficiency and productivity.
* Provisioned **Azure resources** of different providers Compute, **Network**, **Service Fabric**, using **ARM** template and implemented and maintained dev, test, staging, and production environments leveraging infrastructure as code using **Azure** **ARM** **templates** (**Infrastructure as code**, **JSON** / **YAML config**).
* Experience in developing web applications using **Java** technologies, such as **JSP**, **Servlets**, and **Spring** **MVC**. Familiarity with web technologies, including **HTML**, **CSS**, and **JavaScript**. Experience in using **Angular** to develop front-end web applications.
* Worked on **AWS** to **Azure migration**, **Jira** to **Azure DevOps Boards Migration**, **GitHub** to **Azure DevOps** Migration along with Experience in configuring and using **PaaS** offerings (like **Azure Database services**, **Azure Kubernetes,** **Azure Containers,** **DNS**, **Application gateway rerouting**, **Application Insights, Azure Container Monitors**, etc.).
* Created and maintained **Continuous Integration (CI)** using tools like **Azure DevOps** visual studio team services (VSTS) over multiple environments to facilitate an **Agile** development process which is automated and repeatable, enabling teams to safely deploy code in **Azure Kubernetes Services** (**AKS**) using **Azure DevOps** by **YAML** **scripting**.
* Managed **Kubernetes** charts using **Helm**, and built reproducible **Kubernetes** applications builds, managed **Kubernetes** manifest files and **Helm** package releases.
* Managed **Docker Containers**, **Kubernetes Clusters**, implemented a production ready, load, balanced, highly available, fault tolerant **Kubernetes** infrastructure and created **Jenkins** jobs to deploy applications to **Kubernetes Cluster.**
* Deployed **Kubernetes Cluster** on **Azure** with master architecture and wrote many **YAML** files to create many services like pods, deployments, **auto-scaling**, **load balancers,** labels, health checks, **Namespaces**, **Config Map,** etc.
* Established and maintained a comprehensive service catalog using **Backstage.IO,** enhancing visibility into services and their dependencies.
* Automated service documentation updates through **Backstage.IO,** ensuring accuracy and consistency.
* Hands-on experience in creating, managing, and performing container-based deployments using **Docker** **Images** stored in the **Docker Hub**. Specifically in deploying containers containing Middleware and Applications, as well as your familiarity with **Kubernetes** and its potential for container orchestration.
* Integrated **Azure DevOps (AZDO)** with **Docker** containers by leveraging the **Cloud Bees Docker Pipeline** plugin. This integration enabled me to automate the build processes of multiple microservices and seamlessly push them to the **Docker Registry**. I streamlined the build and deployment workflows, ensuring efficient and consistent delivery of microservices."
* Worked with **Python** libraries and frameworks like **NumPy**, **Pandas**, **Matplotlib**, and **SciPy** for data analysis, visualization, and scientific computing.
* Integrated **Terraform** with **Ansible** and automated **Terraform** life cycles with **Ansible** playbooks and automated the tasks with **Ansible Playbooks** by using **YAML** functions and migrating the servers with the required configuration changes and testing and deploying the machines using **Ansible Commands**.
* Implemented cluster services using **Docker** and **Kubernetes** to manage local deployments in **Kubernetes** and built a self-hosted **Kubernetes** **cluster** using **Terraform** and **Ansible** and deploying application containers.
* Used **Nagios** as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes and worked on **Nagios** Event handlers in case of an automatic restart of failed applications and services.
* Monitoring the performing tests in stage using monitoring tools like **Splunk**, **Marvel**, **Dynatrace**, **Kibana** for response times **MS, CPU%, JVM’s, web requests, V cores**.
* Designed build and managed the **ELK** (**Elasticsearch**, **Logstash**, and **Kibana**) cluster for centralized logging and search functionalities for the Applications.
* Utilizing the **Azure stack** (Including Compute, Web &amp; Mobile, Blobs, **ADF**, **Resource** **Groups**, **Insight** **Clusters**, **Azure SQL**, **Cloud** **Services**, and **ARM**), Services and Utilities focusing on Automation.
* Applied **Azure development skills** to streamline and enhance cloud-based solutions, leveraging PaaS and IaaS services, and actively participating in the automation of **CI/CD pipelines using Azure DevOps** for efficient and reliable deployments.
* Deployed and managed **Azure Databricks infrastructure**, implementing a **Delta Lake house platform** using **Infrastructure as Code (IAC) with Terraform,** adhering to industry best practices for security, scalability, and performance.
* Wrote **Dockerfiles** and utilized **C# scripting** for optimizing container configurations and dependencies.

**Azure Cloud Infrastructure Engineer APRIL 2020 – JUNE 2022**

**Comcast – Reston, USA.**

**Responsibilities:**

* Implemented several **POCs** (Proof of concept) on **Azure** utilization and configured resources using **Azure** **Key** **Vault** to save high critical secrets and passwords. Also, worked on **Azure** **App** **services**, **Azure** **storage**, **Azure** **SQL** **Database**, **Virtual** **Machines**, **Azure** **Key** **Vault**, **Azure** **Active Directory**, **Azure DNS, IAM (Identity and Access Management), Azure** **Synapse**, **Azure** **Functions** and **Azure** **Notification** **hub**.
* Experience in Implementing **Azure** **Active** **Directory** for single sign-on, authentication, authorization, and **Azure** **Role-based Access Control (RBAC)** and configured **Azure** **Virtual** **Networks** (V Nets), **subnets**, DHCP address blocks, **DNS settings, Security policies**, and routing.
* Identified and implemented performance optimization strategies for Fiserv DNA applications within the DevOps lifecycle, including code optimizations, database tuning, and resource scaling to enhance system performance and scalability.
* Conducted **architectural** reviews and provided guidance to development teams, ensuring adherence to best practices and **architectural principles**.
* Created **Azure** **Automation** **Assets**, **Graphical** **Runbooks**, **PowerShell** runbooks that will automate specific tasks. Deployed **Azure** **AD** Connect, configuring **ADFS** authentication flow, **ADFS** installation using **Azure AD** Connect.
* Implemented monitoring and logging solutions for Fiserv DNA applications, leveraging tools like Splunk, ELK stack, or Azure Monitor to track system health, detect anomalies, and troubleshoot issues proactively.
* Implemented security best practices and compliance standards for Fiserv DNA environments within the DevOps pipeline, including vulnerability scanning, access controls, and audit trails to ensure data protection and regulatory compliance.
* Built a **REST** **API** backend for a mobile app using **Django** and **Django** **Rest** Framework, with features such as user authentication, push notifications, and social media integration.
* Implemented **Azure Kubernetes Service** **(AKS)** to deploy a managed **Kubernetes** **cluster** in **Azure** and created an **AKS** **cluster** in the Azure portal used template driven deployment options such as **Azure Resource Manager (ARM)**templates and **terraform**.
* Created **Network Security Groups (NSG)** to filter the traffic to and from **Azure** **Resources** by configuring the Inbound and Outbound rules and associating them with Subnet and Network Interfaces.
* Created a robust **Test** **automation** framework using **Selenium** WebDriver and Page Object Model (POM) design pattern, resulting in reduced maintenance costs and increased test efficiency.
* Worked on **Kubernetes** for creating new Projects, Services for load balancing, and adding them to Routes by accessing from outside, created Pods through new application and controlling, scaling, and troubleshooting pods through SSH, managed manifest files and releases of **Helm charts**.
* Worked on implementing clusters using **Kubernetes** and worked on creating **pods, replication controllers, Name Spaces, deployments, labels, health checks, Ingress** resources and Controllers by writing YAML files, integrated them using Calico SDN (software defined networking) and used **Heapster** monitoring platform on **Kubernetes** to report detailed resource usage information.
* Created **Tekton** pipelines in **Kubernetes** which was leveraged by developers to create and deploy images, manage version control of infrastructure, and perform easier rollbacks.
* Expertise in using **Docker** to containerize custom web applications and deploy them on Digital Ocean with **Ubuntu** instances through Cluster and to automate the application deployment in cloud.
* Configured and Integrated **Docker** container orchestration framework using **Kubernetes** by creating pods, deployments and used **Python** **Scripts** to schedule, deploy and manage container replicas onto a node cluster using **Kubernetes**.
* Implemented **Ansible** Tower to schedule jobs and to manage complex network deployments with the addition of control and delegation to **Ansible** powered environment and automated the infrastructure using **Ansible** roles downloaded and managed from **Ansible** Galaxy.
* Created **Ansible** roles in **YAML** and defined tasks, variables, files, handlers, and templates.
* Created inventory and configured the **ansible** **files** for parallel development in **Ansible** for automating the continuous delivery process.
* Used **Terraform** for building, changing, versioning infrastructure and collaborate the automation of **Azure** Infrastructure via **Terraform** and **Jenkins**.
* Implemented **Terraform** Templates automating **Azure** **VM** using **Terraform** modules and deployed virtual machine scale sets in production environment.
* Configured **Jenkins** by identifying and installing required plug-ins. Wrote Seed. **Groovy** scripts to configure Build Jobs, Build Pipelines and by using **Jenkins** created a master and slave configuration to implement multiple parallel builds through a build farm.
* Wrote **Jenkins** shared libraries for **CI/CD** life cycles and created generic pipelines across the cloud applications to automate application deployment as well infrastructure deployments and introduced various security rules to validate the organization standards over the release workflows.
* Extensive experience working on various areas of **Jenkins**, including **Plugin Management**, **Securing Jenkins**, **Performance Optimization, Analytics, Scaling Jenkins**, and integrating Code Analysis and Test Phases to complete **CI/CD pipelines**.
* Implemented **Jenkins** pipeline jobs to create **Azure** Infrastructure from **GitHub** repositories containing **Terraform** code and created on-premises active directory authentication using automation with **ansible** playbooks. **Nagios** monitoring using custom monitors, maintaining, and adjusting existing monitors and responding to generated requests.
* Experience in maintaining applications by Monitoring Logs Information, Resources usage and Performance and get the Health and **Security notifications** by using Monitoring tools like **Splunk**, **ELK** (**Elasticsearch**, **Logstash**, and **Kibana**), **Datadog**, **Nagios**, **Zabbix**.

*Environment:* ***Terraform, Azure, Ansible,******Azure******AD****,* ***Azure******SQL****,* ***CDN****,* ***ARM****,* ***Azure Traffic Manager****,* ***Azure Kubernetes****,* ***Azure******DevOps****,* ***Azure Containers****,* ***GitLab****,* ***VSTS****,* ***Docker****,* ***Terraform****,* ***Ansible****,* ***Docker******Swarm******Cluster****,* ***GitHub****,* ***Groovy, Spock****,* ***Junit****,* ***Jenkins****,* ***CloudWatch****,* ***Nagios****,* ***SonarQube****,* ***AWS****.*

**Cloud DevOps Engineer OCT 2018 – MAR 2020**

**Energy Transfer - Houston, Texas, USA.**

**Responsibilities*:***

* Configured and utilized **AWS Lambda**, a serverless computing service, to run **Python scripts** that implement the shutdown schedule for servers. This serverless approach eliminates the need for dedicated server instances, allowing for cost-effective execution of the scripts.
* Experience in Amazon Cloud Services (**AWS**) and its features (**AWS** **EC2**, **VPC**, **EBS**, **AMI**, **APIs**, Route 53, **snapshots**, **Auto scaling**, **Cloud Formation**, **Lambda**, ***SES***, **SQS**, **SNS**, **RDS**, **ELB**, *EBS*, Cloud Watch, **S3** etc.) and managing Private Cloud and Hybrid cloud configurations, patterns, and practices in **Windows Azure** and **SQL**
* **Azure**.
* Working for **DevOps** Platform team responsible for specialization areas related to **Chef** for Cloud Automation
* Experienced with **Kubernetes** architecture, setup, images, jobs, labels and selectors, namespace, node, service, pod, replication controller and **Kubernetes** deployments.
* Design, install, administer, and optimize hybrid cloud components to ensure business continuity (i.e., **Azure AD**, **ADFS**, **SSO** & **VPN** **Gateways**.).
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using **Terraform**. Managed **AWS** infrastructure as code using **Terraform**.
* Worked on **Agile** DevOps team using **Linux**, **Docker**, **Jenkins**, **cloud IaaS** and **Java EE, Tomcat, Nginx, Glassfish and WebSphere, GitLab, CI-CD** automation processes.
* Implementing a Continuous Delivery framework using **Jenkins**, **Chef**, **Maven** in **Linux** environment
* Developed **Python** code to extract information from XML files using DOM Modules.
* Design and implementation of highly optimized distributive cloud-based multilingual, multi-market, cross-platform, cross-browser, web-based, and mobile device management solutions that scale vertically and horizontally across multitude of **Azure**/**AWS**/**GCP**/**Apple**/**CDN** platforms and driven by **DevOps** **CI**/**CD** pipelines.
* Experience with installation and configuration of **Docker** environment including **Docker** **registry** **hub** for managing different **Docker** **images** and deployment of applications inside the software containers.
* Experience in Converting existing **AWS** Infrastructure to Serverless architecture (**AWS Lambda, Kinesis**), deploying via **Terraform** and **AWS Cloud Formation** templates.
* Used **Python**, to supplement automation provided by **Ansible** and **Terraform** for tasks such as encrypting **EBS** volumes backing AMIs and scheduling **Lambda** functions for routine **AWS** tasks.
* Performed automation smoke testing after deployment using **PowerShell** and **Bash** scripting.
* Wrote **ANT** and **MAVEN** Scripts to automate the build process.
* Deployed and Maintained windows phone applications on azure cloud technologies. Converted .Net application to Confidential **Azure** Cloud Service Project as part of cloud deployment.
* Azure **PaaS** Solutions like **Azure** **Web** **Apps**, **Web** **Roles**, **Worker** **Roles**, **SQL** **Azure**, and **Azure** **Storage**. Configured and deployed the Operations Management Suite (OMS) for monitoring and change tracking.
* Experience 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 Recovery**, **Azure Backup** and **Azure Automation**.
* Administered **Jenkins**, Proposed and implemented branching strategy suitable for **Agile**/**scrum** development in a Fast-Paced Engineering Environment.
* Created **AWS Cloud Formation** templates to create custom sized **VPC, subnets, EC2** instances, **ELB**, **security groups**. Worked on tagging standard for proper identification and ownership of **EC2** instance and other **AWS** Services like **Cloud Front, Cloud Watch, RDS, S3, Route53, SNS, SQS, Cloud Trail** Experience in Windows
* Troubleshoot Issues Related to **Web** **Apps**, **APIs**, **VMs**, **Azure Active Directory** and all the **Azure** related Services. Deployed and hosted Web Applications in Azure created Application insights for monitoring the Application.

*Environment:* ***Azure****,* ***PowerShell,******Azure******AD****,* **Azure Data Lake,*****Azure******SQL****,* ***Maven****,* ***ARM****,* ***Azure Traffic Manager****,* ***Azure Kubernetes****,* ***Azure******DevOps****,* ***Azure Containers****,* ***GitLab****,* ***VSTS****,* ***Docker****,* ***Terraform****,* ***Ansible****,* ***Docker******Swarm******Cluster****,* ***GitHub****,* ***Groovy, Spock****,* ***Junit****,* ***Jenkins****,* ***CloudWatch****,* ***Nagios****,* ***SonarQube****,* ***Bash, AWS****.*

**Cloud DevOps Engineer JUNE 2016 – SEP 2018**

**Humana- Louisville, Kentucky, USA.**

**Responsibilities*:***

* Automated CI/CD builds, nightly builds, deployments, and unit tests across multiple different environments (DEV, QA, Training, Production) each constituting different types of servers (DB, App, Web) and different number of servers of each type (for load balancing and such) using VSTS Build, Power Shell, and MS Build, MS Deploy.
* Built and Deployed to a web application server in an Agile continuous integration environment and automated the whole process.
* Automate using azure ARM template.
* Providing configuration management and automation solution using Azure PowerShell, Azure CLI, CHEF, Jenkins and PUPPETs for deployment and maintenance of cloud and custom applications on Microsoft Azure’s cloud platform
* Implemented in Virtual Machine administration, storage, network in azure environment including troubleshooting skills.
* Deploying infrastructure using Azure ARM template.
* Configuring Virtual Network, VNET, VNET Peering using PowerShell.
* Configuring Azure Storage and Managing using Azure storage explore, Azure CLI, AZ copy.
* Created Build definition and Release definition for Continuous Integration and Continuous Deployment.
* Agile process supports the following work item types (WITs) to plan and track work, tests, feedback, and code review.
* Worked on CI/CD for PostgreSQL and MySQL Applications.
* Created dashboards in VSTS for CI/CD pipelines, Work items and bugs.
* Working on hybrid Cloud environment Amazon and Azure
* Design roles and groups for users and resources using AWS Identity Access

Management (IAM)

* Provide highly durable and available data by using AWS S3 storage data store, versioning, and lifecycle, using AWS cli creating storage account.

**Build and Release Engineer JULY 2014 – AUG 2015**

**GE Health Care - Bangalore, India.**

**Responsibilities*:***

* Experience on all areas of **Jenkins** like Plugin Management, Securing**Jenkins,** Performance issues, **Analytics**, **Scaling Jenkins**, integrating Code Analysis and Test Phases to complete the **CI/CD pipelines within Jenkins.**
* Setting up continuous integration and formal builds using **Bamboo** with the **Artifactory** repository and Resolved update, merge and password authentication issues in **Bamboo** and **JIRA**.
* Used **Puppet** to manage Web Applications, Configuring Files and Database Commands, User Mount points and Packages.
* Participated in configuring and monitoring distributed and multiple platforms servers using **Puppet** Version. Used **Puppet** **Server** and **Workstation** to manage and configure nodes.
* Managed and optimized the Continuous Integration using **Jenkins** and troubleshoot the deployment build issues using the trigged logs.
* Created a continuous integration system using **Bamboo**, **Puppet** full automation, **Continuous Integration**, faster and flawless deployments. Managed user authentication and authorization for the users in both Subversion & Perforce. Created branches, performed merges in version control systems **SVN** and Perforce.
* Used **Bugzilla** for bug tracking and reporting, also followed up with the development team to verify bug fixes, and update bug status.
* Developed & implemented Software Release Management strategies for various applications per the **Agile** **process**.
* Involved in setting up **VMware** ESX Server, **VMware** **Virtual** **Center**, **VMware** **HA**, **VMware** **DRS**, & **VMware** Consolidated Backup (VCB).

*Environment:* ***Jenkins, VMware, Bamboo, Java, Nagios, Puppet.***

**System Engineer AUG 2012 - JUNE 2014**

**Annik Technology Services - India.**

**Responsibilities:**

* A custom build of **Windows 2003** and **Windows 2008** servers which includes adding users, **SAN**, network configuration, installing application related packages, managing services.
* Responsible for maintenance of development tools and utilities and to maintain shell, Perl automation Scripts.
* Installation, maintenance, and administration of **Oracle** and **DB2** Server on Sun Servers.
* Adding servers to the domain and managing the groups and user in **Active** **Directory**, installing, and configuring send mail.
* Supported development team to resolve build failures related to environments, tools, and scripts.
* Experience Installing eclipse with **ANT** to build **JAVA** based application, compilation, and packaging.

**CERTIFICATIONS:**

Azure Administrator Associate: [**Azure Administrator Associate**](https://learn.microsoft.com/en-us/users/rajivereddyshagam-4044/certifications/certification-details/certification.azure-administrator?wt.mc_id=pvue_msft_webpage_wwl)

DevOps Engineer Expert: **DevOps Engineer Expert**

# **EDUCATION DETAILS:**

# RIVIER UNIVERSITY - Master of Computer Science – Cloud Computing