Sandeep K

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### Professional Summary:

* Having 5+ years of experience as a Cloud & DevOps Engineer with exclusive hands-on experience in Azure DevOps and Jenkins.
* Expertise in the creation of CI/CD (Build and Release) pipelines using Azure DevOps
* Experience using Terraform (IaC) to create resources in the Azure cloud.
* Experienced in verifying the deployments in the Azure Kubernetes Services.
* Visualizing the data through the Marvel dashboards in Kibana.
* Analyzing application logs to determine the possible cause of issues and reporting errors directly to the Dev team.
* As an SRE, responsible for performing Ops work as well as understanding development needs and support accordingly by having continuous coordination with Development and R&D teams.
* Knowledge of building and troubleshooting CI/CD pipelines.
* Experience in Virtual Machines, Virtual Networks, Azure App Service, Azure Functions, Service Bus, Azure Kubernetes Service, Azure Container Registry, and APIM.
* Having Experience on .Net and C#
* Creating **automation accounts** to stop the VM based on the CPU utilization to save cost.
* Coordination and communication within the team and with clients and end users
* First-rate analytical and problem-solving skills dedicated to maintaining high-quality standards.
* Monitoring the processes during the entire lifecycle for its adherence and updating or creating new processes for improvement and minimizing the wastage
* Good experience in Jenkins to automate the code build and deploy process for Java-based applications
* Developing timelines and schedules for the completion of the project
* Monitoring and measuring customer experience and KPIs
* Supporting projects, including scope management, quality management, resource management, schedule management, communications management, and Cutover Management
* Skilled in building a plan for project success and executing strategies that generate quantifiable results
* Managing periodic reporting on the progress to the management and the customer
* Collaborate with senior management, functional managers, and operations managers to plan business and technology initiatives and budgets. Use formal and informal networks to accomplish program objectives.

# Technical Skills

* **Operating System** Linux (RedHat and CentOS), &Window
* **Build Tool** Maven
* **Versioning Tools** Git
* **Continuous Integration Tool** Jenkins & Azure DevOps
* **Continuous Deployment Tool** Ansible
* **Artifact Repository** Jfrog
* **Scripting language** Shell script
* **Static code analyzer** SonarQube, CICD
* **Issue Tracking Tool** JIRA & Azure Boards
* **Other Tools** Atom, Visual Studio Code, and Confluence
* **Cloud** Azure
* **Containerization** Docker & Kubernetes
* **Infrastructure as a Code** Terraform

**Projects:**

## Project#1 : Oncor Electric

# Description:

Oncor is an Electric delivery company that is the largest transmission and distribution service provider headquartered in Dallas, Texas U.S. Oncor Electric Delivery companies provide different types of energy efficiency programs for residencies and businesses to reduce energy and save people money on their electric bills.

The primary objectives for the project are:

* Integrating its diverse mission-critical applications within a short span.
* Providing exceptional services to customers both in quality and efficiency.

# Responsibilities:

* Experience in Creating, Configuring, deploying, managing, and troubleshooting on ASP.Net IIS 6.0,7.08.5 Websites
* Hands-on Experience in working with App Pools, Virtual Directory, Worker Process
* Experience in Managing Web Farms, Modules, extensions Troubleshooting Skills Logs Analysis, Failed Request Tracing, and Performing Tuning
* As an SRE, responsible for performing Ops work as well as understanding development needs and support accordingly by having continuous coordination with Development and R&D teams.
* Hands-on experience in CI/CD and Deployment through Azure
* Good knowledge of Azure VM management
* Good knowledge of ARM Templates and Bash shell Scripting
* Extensive knowledge of creating and Configuring Storage Accounts, Virtual Networking, Load Balancer, NSG, Azure AD Connect, **Docker and Kubernetes, and Terraform**.
* Good understanding of Version Control Git/TFS, Build/Release, and Azure CI/CD Pipelines
* Expertise in Exchange Server 2003/2007/2010 Administration and Implementation
* Expertise in Active Directory Domain Service and Microsoft Exchange Server Administration
* Administering, Creating and maintaining User Accounts in Active Directory

## Project#2:

**Client:** Highmark Health, Pittsburgh, PA

# Description:

Highmark is an American non-profit health care company and Integrated Delivery Network based in Pittsburgh, Pennsylvania, United States. It is a large individual not-for-profit health insurer in the United States, which operates several for-profit subsidiaries.

# Responsibilities:

* Worked on Microsoft Azure (Public) Cloud to provide IaaS support to clients. Created Virtual Machines through Power Shell Script and Azure Portal.
* Manage and Create Storage Account and Affinity Group in Azure Portal.
* Captured images of VM, and attached disks to VMs.
* Manage and create Virtual Networks and End Points in Azure Portal.
* Deploying VM & Storage, Network, and Affinity Group through PowerShell Script.
* As an SRE, responsible for performing Ops work as well as understanding development needs and support accordingly by having continuous coordination with Development and R&D teams.
* We deployed Azure IaaS VM and Cloud services (PaaS role instances) into secure VNets and subnets.
* Designed VNets and subscriptions to confirm Azure Network Limits.
* Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.
* Configured VNETs and subnets as per the project requirement Implemented high availability with both Azure Classic and ARM deployment models.
* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs, and subnets.
* Deploying local database into Azure SQL server database.
* Configured private and public facing Azure load balancers etc. Created Azure SQL database, and performed monitoring and restoring of Azure SQL database.

## Project#3: Equities Trading

# Description:

Citi Global Markets Production Support manages various FO, MO, CRD& Razor applications to ensure uninterrupted running of the whole IT production application, It is the first level of support for developers and testers to implement their patch changes and code implementation. Deployment of various applications is also performed to ensure the environment is running fine, also flow from the front office to the middle office flow goes fine. In addition to the daily checklist tasks to ensure application availability this team is responsible for all front office to middle office will be fine, along with access to users for various applications,Server migration, server reboot, Deployment of all applications, and Any Issue regarding the environment. All in our team are responsible for running the environment smoothly.

# Responsibilities:

* Automated Continuous Integration 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, MS Build and MS Deploy.
* As an SRE, responsible for performing Ops work as well as understanding development needs and support accordingly by having continuous coordination with Development and R&D teams.

## Experience in Virtual Machines, Virtual Networks, Azure App Service, Azure Functions, Service Bus, Azure Kubernetes Service, Azure Container Registry.

* As a member of the Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting.
* Worked closely with QA Teams, Business Teams, and DBA team and Product Operations teams to identify QA and UAT cycle release schedules for non-prod and prod environments.
* Identified and logged defects in VSTS and interacted with developers to prioritize the issues.
* Ownership of Azure SQL server DB deployment & managed continuous integration & continuous deployment.
* Created Build definition and Release definition for Continuous Integration and Continuous Deployment.

# Education

* + B.Com from Nuthan College in 2018

# Professional Experience :

* Worked in Cognizant from January 2022 to June 2025
* Worked in Just Dail from April 2021 to June 2021
* Worked in at Globus Info Services Pvt Ltd from November 2019 to March 2021.