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Muhammad Saad Salman

To obtain a challenging position in dynamic organization where I can utilize my skills, knowledge and experience to contribute to the growth of the company while also enhancing my professional development

Work History

DevOps at Systems Limited   **Nov 2022 – Present**

- Proficient in the utilization of Source Code Management tools such as Git and GitHub, with practical, hands-on experience.
- Ability to establish, configure, and supervise CI/CD Pipelines and Container platform through the use of automation and re-usable templates.
- Worked on Micro Services deployments on Azure ACR and AKS Cluster.
- Experience to setup and configure CI/CD for Azure, SQL and Power BI.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, and Docker, on Azure.
- Deployment of microservices on Kubernetes using Helm charts
- Deployment on Function Apps, Web Apps
- Experience working with Azure DevOps for Automation/Configuration management
- Ability to create reusable templates and best practice documents that facilitate the fast integration of applications onto the DevOps platform.
- Familiarity with leading cloud service providers such as Azure, among others.
- Familiarity with CI/CD tools such as TeamCity, Octopus, among others
- Hands-on knowledge of software containerization platforms like Docker and container orchestration tools like Kubernetes and others.
- Working on the deployment of Azure resources using IAC tools like Terraform

Ahmed Jamal Textile   **Aug 2022 – Nov 2022**

- A 3 months internship program with a lot of work to be done within that time. I mainly worked with the C# and SQL programming Languages. I was asked to construct Windows Forms, which would be utilized for the firm for record handling on daily basis. Moreover, I worked in networking side as well in which router handling, data access through networking was done. Rj45 connector installation was also one of the important types of knowledge I got there

Projects

Azure DevOps | Azure | Microservice| Helm | AKS

- I have provided Azure DevOps pipelines & infrastructure for .net application/Angular services for the insurance company Tools and technologies used: Kubernetes, Helm, Azure DevOps, Docker, Docker Registry, Git, Azure Kubernetes Service, CI/CD pipelines. Azure monitor insights, Azure Key Vault, PowerShell Scripting for automating pipeline tasks.

Azure | Terraform | Azure DevOps IAC Pipelines

- Worked on Terraform modules for provisioning Azure infrastructure like App service, Function App, Azure Container Registry, API Management (APIM), Azure Key Vault, Azure storage account, Azure Virtual Network (VNet), VPN gateway, Azure Content Delivery Network (CDN), Application Insights, Azure Kubernetes Service (AKS), Storage Account, Azure Databricks Service, VPN Gateway, Virtual Machine.

- The integration between two organization in Azure DevOps streamlines collaboration, promotes code reuse, and ensures secure and consistent deployment practices. By establishing a service connection and sharing resources, both organizations can leverage each other's strengths and expertise to deliver high-quality infrastructure deployments efficiently. This also include the pipeline structure with stages, steps, and jobs in a reusable manner, Terraform infrastructure modules in a reusable manner, authentication and secrets management in key-vault, and state storage.

DataOps | PowerBI | Octopus

- Designed the CI pipeline to build and publish the artifact of Power BI (.pbix) report and the CD pipeline to deploy the artifact in Power BI Desktop. Also, integrated Octopus Deploy with Azure DevOps and designed a CI pipeline to publish microservice artifact to Octopus Deploy and a CD pipeline to deploy the published artifact using Octopus Deploy. Optimized the report creation and deployment process, resulting in improved efficiency and productivity.

Kubernetes | Terraform | Helm | SonarQube

- Utilized Docker for containerization and designed Continuous Integration/Continuous Deployment (CI/CD) pipelines to deploy Docker images in Azure Container Registry (ACR). Also, utilized Kubernetes for orchestration and deployed web applications on Azure Kubernetes Service (AKS) using Helm Charts with Azure DevOps.
- Provisioned infrastructure using Azure Pipelines and Terraform, enabling the creation and deployment of resources in a reproducible and consistent manner. This approach reduced deployment times and improved reliability while maintaining compliance with organizational policies and standards.
- Conducted static code analysis using SonarQube to ensure code quality, identify vulnerabilities, and enhance maintainability. By utilizing SonarQube, the team was able to identify and remediate issues earlier in the development lifecycle, resulting in improved overall code quality and reliability.

Strengths & Skills

- Programming Languages | NodeJS, ReactJS, Java, Python, C++, PowerShell
- Operating System | Linux(ubuntu), Windows
- Database | MySQL, SQL Server, MongoDB,
- Cloud Computing | Azure Kubernetes Service (AKS), Azure APP Service, Azure Function, Azure Container Register (ACR), Azure Blob Storage, Azure Virtual Network, Azure Key Vault,
- Azure DevOps **|** Azure Boards, Azure Repos, Azure Pipelines, Azure Test Plans, Azure Artifacts
- Version Control | Git, GitHub, Gitlab, Azure Repo
- Testing | SonarQube, QuerySurge
- Security | Basic Auth
- CI/CD Pipeline | Azure DevOps, Jenkins, Git Action
- Orchestration Tool | Azure Container Instances, Azure AKS Service, Docker, Kubernetes
- Monitoring Tool | Azure Monitor, Application insights, Prometheus and Grafana
- Infrastructure as code Software Tool | Terraform, Azure ARM Template

EDUCATION & ACHIEVEMENTS

O 'Levels	**The City School**	**2014 - 2016**
A 'Levels	**Bloom Field Hall**	**2016 – 2018**
Bs. Computer Science	**GIKI**	**2018 – 2022**
Captain Hard ball Cricket Team	**GIKI**	**2021 - 2022**