**RESUME**

**ASAD BIN AHMED**

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**SUMMARY**

* Proficient in **Azure IaaS/PaaS** services like compute Azure Virtual Machines, Web and Worker roles, VNET, Network services, Azure DevOps, Azure Event hub, Azure stream Analytics, SQL Databases, Storages, Azure Active Directory, Monitoring, Autoscaling, PowerShell Automation, Azure Search, DNS, VPN, Azure Service Bus, Azure Service Functions, API management, Azure Cosmos DB & Azure Blob Storage, App service, App service Plan, Web jobs, Azure service environment, Application gateway, ACI.
* Good knowledge in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement and performed PowerShell scripting.
* Hands-on experience in writing Terraform & Azure Resource Manager (ARM) to deploy, update and delete multiple resources in Azure.
* Experience in Azure IaaS - Virtual machines, VM Scale Sets, Load Balancer, Traffic Manager, Virtual Networks, SQL, Resource Groups and Cloud Services.
* Extensive involvement in Azure Backup, Azure Policies and Azure Key Vault.
* Experience in Azure Platform Development, Deployment Concepts, hosted Cloud Services, platform services.
* Experience in CI/CD tools like **Azure Devops** and automated testing for vulnerabilities identified during SAST and DAST scans using tools like Trivy, SonarQube and Dastardly as DevSecOps practice.

**KEY SKILLS**

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| **Cloud Platforms**  Azure, AWS, OpenStack  **Infrastructure Provisioning Tools**  Terraform, Azure Resource Manager, Cloud Formation  **CI /CD Tools**  Azure Pipelines, Gitlab Pipelines  **Build Tools**  Azure Devops  **Containerization Tools**  Docker, Kubernetes  **Source Code Management**  GIT, GitHub, Gitlab, Bitbucket, Azure Repos.  **Logging & Monitoring Tools**  ELK, Dynatrace, Prometheus, Grafana, New Relic  Azure Service Health, Azure Network Monitor | **Scripting & Programming Languages**  PowerShell, Bash/Shell  **Databases**  Cosmos DB Oracle 10g/11g/12c  **Application/Web Servers**  Apache Tomcat, NGINX, IIS, JBoss4.1, WebSphere, Web Logic 9.x/10.x, Gerrit  **Operating Systems**  UNIX, Linux, Windows, Solaris  **Virtualization Platforms**  Oracle VirtualBox, VMware Workstation, KVM  **Bug Tracking Tools**  JIRA, ServiceNow. |
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**WORK EXPERIENCE**

* Total **10 years** of experience and currently working with **HCL** as **Consultant** from 12-07-2022 (Cloud Solution Architect)
* Lead Analyst at **CGI** as Azure Senior Devops Engineer (11/09/2019 – 17-06-2022)
* Senior Aws/AzureCloud Specialist at **SIEMENS** Technologies (16/01/2018-10/09/2019)
* AWS Cloud/DBA Engineer at **IBM** (02/08/2014 -03012018)
* Software Engineer at **Coolsoft Technologies** (14/08/2013-09/7/2014)

**EDUCATIONAL AND CERTIFICATION**

* **Bachelor of Engineering in computer Science** 2012 from Visvesvaraya Technological University Bangalore, SBMJCE.
* Microsoft Certified **Azure Solutions Architect Expert**
* Microsoft Certified **Azure Architect Design**
* Microsoft Certified **Azure Architect Technologies**
* Certificate of Course completion **AWS certified – Security Engineering on AWS**
* Oracle 11g Database Administrator Certified **Associate and Professional (OCA and OCP)**
* Oracle E-Business Suite R12 Applications Database Administrator Certified Professional.

**PROJECT DETAILS - I**

**Organization:** **HCL**

**Designation: Cloud Architect**.

**Role:** Associate consultant

**Environment:** Microsoft Azure cloud.

**Project Name:** PepsiCo & DHL

* Designing and implementing Azure Solutions across a range of cloud models like SaaS, PaaS, IaaS, and integrated on-premises, on-demand workloads with the Azure public cloud.
* Worked on Microservices for Continuous Delivery environment using Azure, Docker. Involved in setting up a Microservice architecture for application development and implemented high availability with Azure Classic and Azure Resource Manager deployment models.
* Extensively worked on Building and Installing servers, creating multiple resources like in Azure through Azure Resource Manager Templates (ARM) or Azure Portal and provisioned them using ARM templates. Also worked on Virtual networks, Azure Custom security, endpoint security and firewall.
* Integrated automated security testing tools into CI/CD pipelines, such as OWASP ZAP and Nessus, to identify and address security vulnerabilities early in the development process.
* Application Security in Secure coding practices, vulnerability scanning and penetration testing.
* Developed and designed Azure DevOps pipeline to manage the resources across multiple subscription in Azure.
* Worked with Version Control, Build & Release Management and Deployments of the Solutions to the DEV, QA & PROD Environments leveraging Azure DevOps/VSTS principles/process (CI/CD) and toolsets of Visual Studio, AKS (Azure Kubernetes Service), Application Insights, Log Analytics.
* Provisioning servers/instances using infrastructure as code such as Terraform and CloudFormation. Code is stored in a private repository and constantly updated.
* Managed and secured the CI/CD pipelines using Azure Devops and Git, integrating security testing and scanning tools like Burp Suite and SonarQube.
* Integrated Docker container orchestration framework using Kubernetes by creating pods, Config Maps, and deployments.
* Deployed Kubernetes Clusters on cloud/on-premises environments with master/minion architecture and wrote many YAML files to create many services like pods, deployments, auto scaling, load balancers, labels, health checks etc.
* Experience in JIRA for ticketing and as well as defect tracking system and configure various workflows, customizations and plug-ins for JIRA bug/issue tracker, integrated Jenkins with JIRA, GitHub, Maven.
* Implemented a production ready, load balanced, highly available, and fault tolerant Kubernetes infrastructure on Azure.
* Hands on experience on Azure Service Bus, Azure Service Functions, API management, Azure Cosmos DB & Azure Blob Storage
* Designing, implementing, and securing resources including Azure Active Directory, Azure App Service Apps and Virtual Networks
* Experience with setting up monitoring, logging, and managing backups of Azure Services.
* Good experience with security, storage, networking and RBAC
* Working on Major Initiatives of the Business Development Team like 'New Client Development', 'Training Development', ' Proposal Development', ' Intellectual Capability Development' and other such initiatives
* Assist customers in simplifying the Architecture by Automation using JSON Templates and PowerShell.
* Documentation of Azure Processes for Company's future use
* Conducted vulnerability assessments and remediation activities on the cloud infrastructure and applications.
* Managed local deployments in Kubernetes, creating local clusters and deploying application containers.
* Customizing Community AMIs, Register New AMIs & De-register AMIs, Bundle Instances - EBS & Instance store based, Snapshot of EBS, deploying instances behind Elastic Load Balancer, configuring Auto Scaling, Monitoring EC2 using CloudWatch Alarms, creating custom memory metrics and integrating it with CloudWatch.
* Monitoring the On-Prem Development and Cloud Development infrastructure and production environment to identify areas of improvement.
* Implemented a production ready, load balanced, highly available, and fault tolerant modern Kubernetes infrastructure.
* Setting up VPC and troubleshoot in case of any issue, Experience in building complex solutions with Amazon Virtual Private Cloud (VPC) to Create VPC, Create Public and Private Subnets, Create Route Table, Create Internet Gateways, Create Elastic IPs, Security Groups and Network ACLs.
* Expertise in configuring the monitoring and alerting tools according to the requirement like Prometheus and Grafana, setting up alerts and deploying multiple dashboards for individual applications in Kubernetes. Security.

**PROJECT DETAILS - II**

**Organization:** **CGI**

**Designation: Cloud Specialist**.

**Environment:** Microsoft Azure cloud.

**Project Name:** APS (Banking Project)

**Work Profile:** Cloud infrastructure Eng.

CGI, Having Production, Development, and Testing centre on cloud-based infrastructure AWS/AZURE have developed working in Banking Project.

**Roles:**

* Experience in using ARM templates (JSON) to create Azure services, while ensuring no changes were made to the existing infrastructure.
* Experience implementing Azure services such as Azure Active Directory (AD), Azure storage, Azure cloud services, IIS, Azure Resource Manager (ARM), Azure Blob Storage, Azure VM, SQL Database, Azure Functions, Azure Service Fabric, Azure Service Bus.
* Working knowledge in deploying CI/CD systems using Azure DevOps on Kubernetes container environment, and for the runtime environment of CI/CD system to build, test and Deployment we have utilized Kubernetes and Docker.
* Designed and automated AZURE Infrastructure as a Service (IaaS) and Platform as a Service (PaaS), SaaS capabilities which includes virtual machine, container services, virtual network and cloud services.
* Working experience with Azure Resource Manager (ARM) to deploy, update, and delete multiple Azure resources, as well as migrating on-premises resources to Azure with Azure site recovery (ASR), and Azure backups.
* Used Azure DevOps services such as Azure Repos, Azure Boards, and Azure Test Plans to plan work and collaborate on code development, built and deployed applications.
* Developed, maintained, and provided the team with Various Azure DevOps-related tools like deployment tools, staged virtual environments, and provisioning scripts.
* Used Shared Image Gallery to store the created images and built Azure pipelines in Azure DevOps to implement all these services in Azure.
* Developed and maintained Continuous Integration (CI) using tools in Azure DevOps (VSTS) spanning multiple environments, enabling teams to safely deploy code in Azure Kubernetes Services (AKS) using YAML scripts.
* Managing the Azure Kubernetes Services (AKS) policies, providing access to different Azure resources and developing and improving the workflows that govern access.
* Experience with version control tools such as GIT and Bitbucket. Comprehensive knowledge of source controller concepts including branches, tags, and merges.
* Worked with Azure Monitoring tools such as Azure Log Analytics, Azure Network Watcher, and Azure Service Health to diagnose and minimize service degradation.
* Experience in using the monitoring tools like Azure monitoring, Dynatrace to set up the desired alerts to avoid disruption.
* Created ARM Template for deploying the resources into Azure using the PowerShell and continuous integration by VSTS.
* Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets using PowerShell.

**PROJECT DETAILS - III**

**Organization:** **Siemens**

**Designation: Cloud engineer**.

**Environment:** Amazon web services and Microsoft Azure cloud.

**Project Name:** Mindgate (IOT Project)

**Work Profile:** Cloud infrastructure Eng.

Siemens, Having Production, Development, and Testing centre on cloud-based infrastructure AWS/AZURE have developed working in Mindgate Project.

**Roles:**

* As a team member my responsibilities are for the designing solutions and consultation on Implementation & deployment of APS Platform solutions across public & private clouds.
* Build Docker image from Docker file and Deploy container using Amazon ECS.
* Management by allocating proper privileges and implementing Auditing.
* Designed and configured Azure Virtual Networks (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing
* Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.
* Kept up to date with latest industry knowledge and news to maintain and improve enterprise and business platforms.
* Administering Jenkins and secured Jenkins with role-based access controls and matrix-based project access.
* Working 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.
* Implemented AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), Auto scaling groups’ services.

DECLARATION

I consider myself familiar with Azure / Amazon web services Aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.