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Summary Results-driven Solution Architect with a proven track record of delivering and optimizing innovative and scalable solutions for enterprises. Expertise in translating business requirements into actionable technical designs across diverse industries. Adept at leading cross-functional teams, collaborating with stakeholders, and leveraging cloud technologies and Agile methodologies to drive digital transformation, improve efficiency, and reduce costs.

Education University of Houston, Downtown – Bachelor of Business Administration - BA, 2001

Certifications Azure Solutions Architect Expert: AZ-305 Azure Administrator Associate: AZ-104 Designing and Implementing Microsoft DevOps Solutions: AZ-400 Fabric Data Engineer Associate: DP-700 AWS Certified Solutions Architect: (SAA-C03) Azure Fundamentals - AZ-900 Certified Information Systems Auditor (CISA) Certified Agile Scrum Master (CASM)

Experience Solution Architect | Dominion Systems | Dallas, Texas | United States | September 2019 – Present

• Designed and implemented modular Infrastructure-as-Code (IaC) templates using Bicep and Terraform, automating the provisioning of Azure resources (VNets, storage accounts, Kubernetes clusters) and reducing deployment times by 60%.

• Integrated IaC workflows (Bicep and Terraform) into CI/CD pipelines using Azure DevOps and GitHub Actions, automating compliance checks and improving infrastructure deployment collaboration.

• Configured and optimized Linux and Windows environments in Azure, ensuring adherence to enterprise standards and achieving a 30% improvement in resource utilization efficiency.

• Implemented advanced analytics solutions using Power BI (DAX measures) and integrated them with Azure services, providing actionable insights for business stakeholders.

• Developed custom alerting and logging solutions using Azure Monitor, Application Insights, and Log Analytics, proactively identifying potential issues and ensuring SLA adherence.

• Automated Azure Kubernetes Service (AKS) deployments and updates using Terraform and ARM templates. Implemented Role-Based Access Control (RBAC), network policies, and pod security policies to secure AKS environments.

• Monitored AKS clusters using Azure Monitor, Prometheus, and Grafana, creating dashboards for real-time visibility into cluster health and resource utilization.

• Streamlined CI/CD pipelines for AKS using Azure DevOps and Jenkins, collaborating with development and DevOps teams to improve deployment frequency.

• Migrated on-premises .NET applications to Azure, implementing DevOps practices and utilizing Application Insights to improve scalability, reliability, and deployment efficiency.

• Deployed hybrid cloud solutions with IaC, integrating on-premises and Azure resources and achieving seamless connectivity.

• Provisioned and managed Azure resources, including Virtual Networks (VNets), Kubernetes clusters (AKS), and Azure SQL Databases.

• Developed reusable Terraform configurations aligned with the Enterprise Cloud Adoption Framework and Landing Zone principles.

• Implemented and managed Single Sign-On (SSO) for enterprise applications using SAML, OAuth, and OpenID Connect.

• Led strategic cost analysis and optimization initiatives, achieving over an 18% reduction in cloud expenditure through proactive monitoring, rightsizing, and workload automation.

Cloud Architect | GMX Resources Inc | Dallas, Texas | United States | October 2014 – August 2019

• Designed and implemented CI/CD pipelines for Azure environments using Azure DevOps, GitHub Actions, and GitLab CI/CD, automating build, test, and deployment processes and reducing manual errors.

• Deployed and managed Jenkins pipelines to automate software delivery, integrating tools like SonarQube for code quality checks and Artifactory for artifact storage.

• Developed reusable workflows in GitHub Actions and GitLab CI/CD, integrating automated testing, Docker builds, and Kubernetes deployments.

• Automated code deployments and rollback mechanisms with Bitbucket Pipelines, improving deployment consistency across environments.

• Deployed and managed production-grade Kubernetes clusters in Azure Kubernetes Service (AKS), ensuring zero-downtime releases. Optimized cluster performance with horizontal pod autoscaling (HPA), resource quotas, and node pool management.

• Ensured compliance with security and governance policies by implementing Azure policies and RBAC.

• Conducted performance tuning and capacity planning for cloud infrastructure.

• Developed and maintained ARM templates and Terraform scripts for infrastructure as code (IaC).

• Automated deployment processes using Azure DevOps, creating CI/CD pipelines to streamline development and release cycles.

• Monitored and optimized cloud infrastructure for performance, cost, and security using Azure Monitor and Azure Security Center.

• Collaborated with development and operations teams to migrate on-premises applications to the cloud.

• Provided technical guidance and mentorship to junior engineers and cross-functional teams.

Application Support Engineer | Dow | Houston, Texas | United States | September 2011 – August 2014

• Led the development of technical documentation for a new EHR system, including specifications and implementation guides, ensuring clarity and conciseness for both technical and non-technical audiences.

• Collaborated with healthcare professionals and regulatory experts to gather requirements and ensure documentation compliance with PHI and GXP guidelines.

• Developed and maintained a centralized document repository, demonstrating strong attention to detail and organization in version control and information architecture.

• Built and maintained Kubernetes clusters using Azure Kubernetes Service (AKS) for highly scalable applications in a production environment.

• Automated deployments with Helm charts and managed Kubernetes manifests to define and control resources within AKS.

• Integrated AKS with Azure Active Directory (AAD) for secure access management, enhancing identity-based access control.

• Deployed and managed ingress controllers provide secure route of traffic to services running in AKS clusters.

• Optimized resource allocation in AKS through node autoscaling, ensuring cost efficiency while maintaining performance.

• Developed infrastructure-as-code (IaC) templates using Terraform and AWS CloudFormation.

• Implemented CI/CD pipelines using Jenkins and AWS Code Pipeline to streamline deployment processes.

• Conducted cost analysis and optimization to ensure cost effective use of cloud resources.

• Provided technical leadership and mentorship to junior cloud engineers and developers while ensuring security is the best practice and compliance with industry standards and regulations.

Skills Cloud Platforms: Azure (Azure DevOps, Azure Resource Manager, AKS), AWS. DevOps Tools: Jenkins, GitHub Actions, Azure DevOps Pipelines, Ansible, Terraform, Docker, Kubernetes, Helm. Programming/Scripting: PowerShell, Python, Bash, .NET, C#. Databases: SQL Server, Azure Cosmos DB, MySQL. Monitoring & Logging: Azure Monitor, Log Analytics, Grafana, Prometheus, Rsync. Networking: Virtual Networks, Subnets, DNS, Load Balancing, ExpressRoute. Security & Compliance: Azure Security Center, Azure Policy, IAM, RBAC, Network Security, GDPR, HIPAA. Data Engineering: Microsoft Fabric (Power BI, Data Factory, Synapse), ETL/ELT. Cloud Migration: Azure Migrate, AWS Migration Hub, AWS Application Migration Service, AWS Snowball, DMS. Disaster Recovery: Azure Site Recovery, AWS Backup, Amazon S3 Glacier, AWS Elastic Disaster Recovery. Documentation: Technical Specifications, Implementation Guides, System Architecture Diagrams, User Manuals. Communication: Cross-Functional Communication, Stakeholder Interviews, Requirements Gathering, Presentation Skills, Technical Writing.

Projects Enterprise Cloud Migration to Azure | 2024 Role: Solutions Architect

• Led the migration of 100+ servers and 20 applications from on-premises to Azure, utilizing Azure Migrate and DMS.

• Implemented hybrid connectivity using ExpressRoute, ensuring seamless integration with legacy systems.

• Technologies: Azure Migrate, DMS, Azure ExpressRoute, Azure Site Recovery, Azure Security Center, Ansible, Terraform, ARM Templates, Bicep, Rsync. Small-Scale Migration to AWS | 2024 Role: DevOps Engineer

• Migrated applications to AWS using a lift-and-shift approach with AWS Server Migration Service (SMS).

• Utilized AWS CloudFormation and AWS Security Hub for infrastructure deployment and security.

• Technologies: AWS Server Migration Service (SMS), AWS Database Migration Service (DMS), Application Discovery Service, Migration Hub, Amazon Redshift, AWS CloudFormation, AWS Security Hub, Rsync.