**FIORI W**

**AZURE CLOUD ENGINEER | SECURITY ENGINEER | DEVOPS EXPERT**

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**PROFILE SUMMARY**

**Certifications**: Microsoft Azure Administrator | Microsoft Azure DevOps Expert | Experience: 8+ Years in Azure | 12+ Years in IT

Dynamic and results-driven Azure Cloud Engineer and DevOps Engineer with 8+ years of hands-on expertise in designing secure, scalable, and highly available cloud solutions, supported by 12+ years of overall IT experience. Proven track record in delivering cloud transformation, automation, and security initiatives across large-scale environments.

**Core Competencies:**

* **Cloud Architecture & Migration:** Designed and deployed Azure IaaS/PaaS services including VMs, VNETs, Azure App Services, Logic Apps, Functions, SQL/Cosmos DB, Azure AD, and more. Led seamless migrations from on-prem to Azure using Azure Migrate, Site Recovery, and ASR.
* **DevOps & Automation:** Built CI/CD pipelines with Azure DevOps. Automated infrastructure using PowerShell and Python. Expert in configuration management, patching, and image automation for VM deployment and environment provisioning.
* **Security Engineering:** Architected secure Azure environments with encryption (at rest/in transit), Azure Key Vault, SIEM integration (Azure Sentinel), vulnerability assessments, and incident response. Enforced access controls, RBAC, and network security configurations.
* **Azure Administration:** Managed resources via ARM templates, policy enforcement, tagging strategies, Azure Backup, and monitoring solutions. Experienced in user, attribute, and claims management.
* **Containerization & AKS:** Implemented container-based deployments using Docker, Helm, and Azure Kubernetes Service (AKS). Designed Helm charts, integrated CI/CD with Azure DevOps, and implemented Istio for service mesh control across clusters.
* **B2C & Identity Management:** Configured Azure B2C tenants, implemented user flows, and custom policies to support external identity scenarios.

**TECHNICAL SKILLS**

**Cloud & Azure Services:**  
Azure (App Services, Functions, Logic Apps, Batch, AKS, ACR, ADF, Synapse, Cosmos DB, Data Lake, Blob/Queue/Table Storage, Service Bus, Key Vault, Front Door, Load Balancer, Traffic Manager, Virtual Networks, ExpressRoute, VPN, NSG/ASG, B2C, AD, MFA, Identity Management, APIM, Availability Sets/Zones)

**Infrastructure & Configuration:**  
Terraform, ARM Templates, Bicep, CloudFormation, Ansible, Puppet, Chef, PowerShell DSC

**CI/CD & DevOps:**  
Azure DevOps, Jenkins, GitHub/GitLab CI, YAML Pipelines, Blue-Green & Canary Deployments, Deployment Slots, SonarQube, Cobertura, dotCover

**Containerization & Orchestration:**  
Docker, Kubernetes, Helm

**Monitoring & Security:**  
Azure Monitor, App Insights, Azure Sentinel, Microsoft Defender, Azure Firewall, DDoS Protection, Splunk, ELK, Prometheus, Grafana, Dynatrace, AppDynamics, Nagios

**Languages & Scripting:**  
Python, PowerShell, Bash, Java, JavaScript, .NET

**Source Control:**  
Git, GitHub, GitLab, Bitbucket, Azure Repos

**Databases & Web Servers:**  
SQL, Cosmos DB, Cassandra, Data Bricks, Apache Tomcat, NGINX, IIS, WebLogic, JBoss

**OS & Tools:**  
Linux, Unix, Windows, Ubuntu | JIRA, Bugzilla, Remedy, HP ALM

**PROFESSIONAL EXPERIENCE**

**February 2023 – Present**

**CLOUD SECURITY & DEVOPS ARCHITECT | CLEARWAY ENERGY INC. | PRINCETON, NJ**

**Summary:** Designed and implemented end-to-end Azure solutions across SaaS, PaaS, and IaaS, migrating on-prem and hybrid workloads for high availability and scalability. Built secure, scalable microservices using Azure App Services, Functions, Service Bus, and Cosmos DB, with automated infrastructure provisioning via Terraform, Bicep, and Azure DevOps. Enabled SSO with Azure AD B2C, enforced CI/CD, and ensured observability using App Insights, Prometheus, and Grafana.

* Designed and executed Azure solutions across SaaS, PaaS, and IaaS, optimizing performance through strategic application and database migrations.
* Migrated on-prem and hybrid workloads to Azure, ensuring high availability, scalability, and cost-effectiveness.
* Built and deployed microservices architectures using Azure App Services, Service Bus, Functions, and Cosmos DB.
* Provisioned and automated infrastructure using Terraform, Bicep, ARM Templates, and Azure DevOps CI/CD pipelines.
* Developed Azure B2C configurations with multiple identity providers and enabled SSO via Azure AD, including user flows and custom policies.
* Managed secure authentication/authorization with Azure AD, RBAC, and MFA for SaaS integrations (e.g., Salesforce, SAP).
* Deployed .NET Core microservices with rolling updates and version control in Azure App Service clusters.
* Set up and monitored observability tools like Azure Application Insights, Log Analytics, Prometheus, and Grafana.
* Implemented private and service endpoints to secure inter-service communication within Azure VNets.
* Containerized and orchestrated microservices using Docker and Azure Kubernetes Service (AKS), automated with Ansible.
* Ensured application reliability with Azure Site Recovery, Azure Backup, and disaster recovery implementations.
* Enforced automated testing, code quality checks, and continuous integration practices to maintain code integrity.
* Investigated and resolved issues in .NET Core, Angular apps, and Azure infrastructure, ensuring operational stability.
* Established and managed Kubernetes clusters across hybrid environments, configuring deployments, scaling, and health checks.
* Collaborated with cross-functional teams and documented solution architecture to promote transparency and knowledge sharing.

**Tech Stacks:** Azure, Azure App Service, Azure Functions, Azure AD B2C, Azure DevOps, Terraform, BICEP, ARM Templates, Docker, Kubernetes, AKS, CI/CD Pipelines, Ansible, GitHub, Jenkins, .NET Core, Angular, PowerShell, Bash, Azure Monitor, Application Insights, Azure API Management, Cosmos DB, Blob Storage, Log Analytics, Prometheus, Grafana, Private Endpoints, Service Bus, Virtual Networks.

**March 2022 – January 2023**

**CLOUD SECURITY & DEVOPS ENGINEER | CITIZENS BANK | PROVIDENCE, RHODE ISLAND**

**Summary:** Designed and implemented scalable, secure Azure cloud solutions by automating infrastructure, modernizing applications, and integrating CI/CD pipelines. Leveraged services like Azure B2C, AKS, Functions, and DevOps for deployment, monitoring, and access control. Ensured compliance, performance, and high availability across hybrid environments.

* Collaborated with data architects and analysts to transform raw data into insights and maintain documentation for data systems.
* Designed scalable, resilient Azure cloud solutions for on-premises app and database migrations.
* Automated Azure resource provisioning using Terraform, Bicep, ARM templates, and CI/CD pipelines.
* Used Azure DevOps for version control, build/release automation, and deployment orchestration.
* Implemented Azure B2C with custom policies, multi-factor auth, and third-party identity providers.
* Enhanced web apps (.NET, Java, Python) using CI/CD pipelines, App Services, and App Insights.
* Employed RBAC and Azure MFA for secure access and user authentication across cloud services.
* Leveraged Docker and Kubernetes for container orchestration, auto-scaling, and load balancing.
* Deployed and monitored services using Azure AKS, Application Insights, and Log Analytics.
* Configured ELK stack for centralized log collection and real-time monitoring from Azure resources.
* Built Azure Functions with HTTP triggers and integrated App Insights for monitoring and load testing.
* Enabled process automation via Azure Automate for update/configuration management.
* Connected on-prem data centers to Azure using BGP routing and ExpressRoute for secure connectivity.
* Applied SonarQube and native Azure security tools in CI/CD for code quality and compliance.
* Utilized Jenkins, Maven, Nexus, and Git (with hooks) for artifact management and CI deployments.

**Tech Stacks:** Azure Cloud (B2C, App Services, Functions, AKS, App Insights, Log Analytics, MFA), Terraform, Bicep, ARM Templates (Infrastructure as Code), Azure DevOps (CI/CD, Version Control, Automation), Docker, Kubernetes (Containerization, Orchestration, Auto-scaling), ELK Stack (Logging and Monitoring), Jenkins, Maven, Nexus, Git (CI/CD, Artifact Management), SonarQube (Code Quality and Compliance), ExpressRoute, BGP Routing (Secure Connectivity), Azure Automate (Process Automation), RBAC (Access Control).

**June 2021 – February 2022**

**AZURE CLOUD & DATA ENGINEER | SUPERNUS PHARMACEUTICALS | ROCKVLLE, MARYLAND**

Summary: Developed and maintained Azure-based data pipelines and cloud infrastructure, leveraging tools like Azure Data Factory, Databricks, and ARM templates for seamless service deployment. Implemented automation using Terraform, Ansible, and Azure DevOps to optimize workflows and enhance operational efficiency. Ensured data security, performance tuning, and successful migration of on-premises resources to Azure.

* Designed, developed, and maintained Azure-based data pipelines and ETL processes using Azure Data Factory, Databricks, and SQL Data Warehouse.
* Collaborated with data architects and business stakeholders to define data requirements and ensure alignment with business goals.
* Implemented data security measures like encryption, identity management, and data masking for sensitive data.
* Monitored and resolved data-related performance issues, ensuring data availability and reliability.
* Conducted performance tuning and optimization to enhance query and data processing performance.
* Developed and maintained documentation for data processes, lineage, and system architecture.
* Developed custom data integration solutions, including data transformation, cleansing, and aggregation.
* Automated data workflows to reduce manual intervention and increase operational efficiency.
* Utilized ARM templates in JSON for seamless Azure service deployment and integration.
* Installed VMware ESX and created Virtual Machines from scratch and templates, troubleshooting load balancing issues.
* Managed system backups, scheduled tasks, and maintained logs for servers to support performance tuning.
* Implemented Azure services like AD, Blob Storage, SQL Database, Functions, and Service Bus for cloud infrastructure.
* Used Terraform and Ansible for automation of tasks and processes to streamline operations.
* Built CI/CD pipelines with Azure DevOps, leveraging PowerShell and automation techniques for efficiency.
* Managed on-premises resource migration to Azure using Azure Site Recovery and backups, ensuring smooth transitions.

**Tech Stacks:** Azure Data Factory, Databricks, SQL Data Warehouse, encryption, identity management, data masking, ARM templates, VMware ESX, Azure Active Directory (AD), Blob Storage, SQL Database, Azure Functions, Azure Service Bus, Terraform, Ansible, Azure DevOps, PowerShell, Azure Site Recovery.

**June 2020 – May 2021**

**CLOUD DEVOPS ENGINEER | WALGREEN’S BOOTS ALLIANCE | DEERFIELD, ILLINOIS**

**Summary:** Led Azure cloud modernization by implementing secure infrastructure, automating deployments with Azure DevOps, PowerShell, Ansible, and Jenkins, and migrating on-prem services to Azure. Streamlined CI/CD pipelines and ensured seamless integration, networking, and data migration using core Azure services.

* Prepared Azure support teams for both legacy and modernized app/service deployments.
* Maintained cloud infrastructure and implemented CI/CD pipelines using Azure DevOps, AWS CodePipeline, and PowerShell.
* Integrated Ansible with Jenkins and YAML scripting for automation across Azure and AWS environments.
* Configured Azure ExpressRoute and AWS Direct Connect for secure private cloud connectivity.
* Migrated on-premises services to Azure and AWS using Portal, PowerShell, and AWS CLI.
* Managed Azure Security Groups and AWS Security Groups, integrating them with VMs, subnets, and EC2 instances.
* Facilitated secure data migration using Azure DMS, AWS Database Migration Service, Data Factory, and 3rd-party tools.
* Worked with diverse services across Azure and AWS: Compute, SQL, NoSQL, Storage, Networking, AD, IAM, Monitoring.
* Set up Azure Virtual Networks, AWS VPCs, and gateways for secure communication with on-premises networks.
* Integrated cloud-native apps with external systems via Azure Logic Apps and AWS API Gateway.
* Deployed resources using Azure CLI, AWS CloudFormation, and managed AAD, IAM, VPCs, and storage.
* Configured VM Scale Sets and AWS Auto Scaling Groups; used Load Balancers, NSGs, and Security Groups.
* Automated deployments using Maven, Jenkins, Nexus, Ansible, and AWS CodeDeploy.
* Implemented monitoring via Azure Monitor, CloudWatch, and Log Analytics for performance and issue tracking.
* Supported hybrid environments by designing cross-cloud architecture between Azure and AWS.

**Tech Stacks:** Azure DevOps, PowerShell, Ansible, Jenkins, Azure Data Factory, Azure ExpressRoute, Azure Active Directory, Azure Virtual Network, Azure CLI, Azure Database Migration Service.

**July 2016 – May 2020**

**CLOUD SECURITY & DEVOPS ENGINEER | AMERICAN NATIONAL INSURANCE | GLENMONT, NY**

**Summary:** Implemented Zero Trust Architecture and DevSecOps practices to secure Azure cloud infrastructure, applications, and data. Led secure migrations, CI/CD automation, and vulnerability management using tools like Azure DevOps, Microsoft Defender, and Ansible. Collaborated with Agile teams to enforce access controls, conduct security audits, and integrate compliance across environments.

* Implemented Zero Trust Architecture (ZTA) and enforced Azure security policies across all resources.
* Conducted Azure security assessments, audits, and managed Microsoft Defender and Microsoft Purview tools.
* Developed and managed DAST, SAST, and SCA scans for web and API vulnerabilities.
* Collaborated with Agile teams to integrate DevSecOps practices and align infosec requirements.
* Managed Azure Active Directory, RBAC, SSO, and MFA for secure authentication and access control.
* Created and enforced Azure security policies across multiple subscriptions and environments.
* Built and maintained CI/CD pipelines using Azure DevOps and PowerShell for secure deployments.
* Configured Azure ExpressRoute for secure private connections with on-premises infrastructure.
* Migrated services securely from on-prem to Azure using Azure Portal, PowerShell, and DMS tools.
* Deployed and managed Azure networking components like VNets, Application Gateways, and VPNs.
* Integrated Azure apps with external systems using APIs and Azure integration services.
* Automated infrastructure and deployments using Ansible, Jenkins, Maven, and Nexus.

**Tech Stacks:** Azure, Azure DevOps, PowerShell, Microsoft Defender, Microsoft Purview, Azure Active Directory, RBAC, SSO, MFA, Azure ExpressRoute, Azure Portal, Azure DMS, VNets, Application Gateway, VPN, APIs, Ansible, Jenkins, Maven, Nexus, DAST, SAST, SCA.

**January 2013 – June 2016**

**IT NETWORKING & SECURITY ENGINEER | TEXAS INSTRUMENTS | DALLAS, TX**

* Designed, installed, and configured network infrastructure, including routers, VPNs, load balancers, and firewalls, ensuring optimal system performance.
* Implemented and maintained WAF policies to mitigate OWASP Top 10 threats and enforced robust data security measures.
* Monitored and troubleshooted network issues, scheduled upgrades, and executed disaster recovery procedures to ensure system reliability.
* Collaborated with network architects to optimize performance and documented system standards and configurations.
* Secured network systems through access control policies, virus protection updates, and adherence to security best practices.

**EDUCATION**

**BS in Computer Science and Engineering**

**MS in Software Development**

Boston University, USA