

**Shariq Usmani**

**Email: -** [**shariqusmaniusa@gmail.com**](mailto:shariqusmaniusa@gmail.com)

**Mob: - 224-421-5795**

**Location: Chicago, IL**

**Summary:**

* I am certified, highly skilled, and experienced Cloud DevOps Engineer with 14+ years of professional experience in software development, IT operations, and cloud computing, demonstrating strong self-motivation and technical expertise.
* Proven track record in leading end-to-end migration of enterprise applications from on-premises environments to Microsoft Azure, including cloud readiness assessments, dependency mapping, and rehosting/refactoring strategies.
* Proficient in tools and technologies such as Linux, Git, Jenkins, Azure DevOps, GitLab, Docker, Kubernetes (AKS/OpenShift), Terraform, ARM templates, and Bicep.
* Designed and implemented GitLab, GitHub actions CI/CD pipelines to automate builds, testing, and deployments.
* Configured GitLab Runners (shared & self-hosted) for optimized job execution. Deployed Kubernetes clusters on cloud platforms like Azure (AKS).
* Led end-to-end migration of applications from on-premises to Azure cloud.
* Provisioned and maintained Azure infrastructure (VNets, AKS, App Services) using Terraform, ensuring repeatable and versioned deployments.
* Created Terraform modules for Azure resource groups, storage accounts, and Key Vault, improving deployment consistency across projects.
* Automated build and release pipelines for Java applications using Ansible and Jenkins.
* Reduced deployment errors by 90% through Ansible configuration management.
* Experience in creating CI/CD pipelines Gitlab and integrated GitLab with Terraform for Infrastructure as Code (IaC).
* Monitoring configuring the Datadog application through Azure and created custom dashboards to monitor infrastructure metrics (CPU, memory, disk), Kubernetes health, and application latency through Datadog.
* Monitoring through application insight on azure.
* Designed, developed, and maintained Helm charts for deploying microservices to Kubernetes clusters (AKS/OpenShift).
* Deployed and managed containerized applications using Red Hat OpenShift Container Platform (OCP).
* Monitored and scaled applications using Horizontal Pod Autoscalers (HPA) and OpenShift metrics.
* Implemented Helm-based rollbacks and versioned deployments to support zero-downtime release strategies.
* Configured RBAC policies, service accounts, and security contexts to control access within OpenShift namespaces.
* Automated CI/CD pipelines to lint, package, and deploy Helm charts using Azure DevOps and GitHub Actions.
* Optimized deployment workflows, reducing deployment time by 40%.
* Automated the deployment, scaling, and management of containerized applications using Kubernetes (AKS).
* Configured Azure SQL Database instances, including performance tuning, scaling, and implementing advanced security features like Transparent Data Encryption (TDE) and Always Encrypted. Teamwork between agencies and cloud providers to streamline adoption of secure cloud technologies.
* Assisted quality assurance team with development of test cases, execution, and tracking defects to verify functionality aligns with user expectations.
* Developed and deployed Azure resources using Bicep and ARM templates, ensuring infrastructure-as-code (IaC) compliance and reusability.
* Automated Azure infrastructure provisioning via pipelines using Azure DevOps and Bicep modules, reducing manual effort and errors.
* Managed and implemented IAM roles, RBAC policies, and permission boundaries across multiple cloud environments (AWS, Azure).
* Automated IAM role and policy provisioning using Terraform to enforce consistent access controls as code.
* Designed and deployed highly available MongoDB Atlas clusters with automated backup and recovery strategies to ensure data durability and business continuity.
* Created custom IAM policies to grant limited access to CI/CD pipelines, reducing blast radius of automation tools.
* Implemented CI/CD pipelines for SAP HANA native applications using Jenkins, Git, and Shell scripting to automate development, testing, and deployment across multiple SAP environments.
* Deployed and managed OpenShift Container Platform (OCP) clusters across on-premises and Azure cloud environments.
* Deployed and managed services using OpenShift Operators, streamlining Day-2 operations like upgrades, backups, and scaling.

**Technical skills:**

* **Programming Languages:** Shell scripting, Yaml, JSON, Linux, PowerShell, Python, .Net.
* **Cloud:** Azure, AWS.
* **DevOps Tools & Technologies**: Jenkins/Azure DevOps, Kubernetes, OpenShift.
* **Ticketing Tool:** Jira, ServiceNow.
* **Operating Systems**: Linux, Windows, MacOS.
* **Databases & Networking**: Cosmos DB.
* **Networking**: DNS, VPC, SSH, TCP and UDP.
* **SDLC**: Agile, Scrum.
* **Version Control**: GitHub, Gitlab, GitHub Action.
* **Monitoring Tools**: Splunk.
* **Data & Log file Analytics**: Datadog, Application insight.

**Education:**

* Master of Computer Application, UPTU, 2007.

**Certifications:**

* Lean Six Sigma.
* ITIL Certification.
* Microsoft Azure Administrator (AZ-104) Certification.
* CKA certified (LF-zzdnas7107).

**Professional Experience**

**AIG Life insurance, Chicago, IL Mar-2025 -Current**

**Azure DevOps Cloud Engineer**

**Responsibilities:**

* Designed and deployed scalable, highly available, and fault-tolerant systems on Microsoft Azure, leveraging services like Azure Virtual Machines, Azure Storage, Azure SQL Database, and Azure Networking.
* Automated CI/CD pipelines for Java applications using Jenkins, GitLab, and Ansible, aligning with DevOps best practices in Azure environments.
* Automated build, test and deployment process using Jenkins pipelines and Azure pipelines.
* Integrated Azure Monitor, Application Insights, and Log Analytics for centralized observability post-migration.
* Led the migration of enterprise applications and workloads from on-premises environments to Microsoft Azure, performing cloud readiness assessments, identifying dependencies, and mitigating migration risks.
* Conducted comprehensive cloud readiness assessments, identified on-prem workloads suitable for cloud migration, and created detailed migration runbooks for each application.
* Integrated Docker with Jenkins for containerized application deployments.
* Manage container orchestration with Azure Kubernetes services (AKS).
* Integrated Bash scripts into CI/CD pipelines for tasks like versioning, building, artifact publishing, and deployment.
* Proficient in both PowerShell (Windows) and Bash (Linux/Unix) scripting for cross-platform automation.
* Managed cloud resources and networking configurations in Microsoft azure.
* Worked with GitHub and Azure Repos for version control.
* Manage and optimize resources to maintain optimal performance and cost-effectiveness.
* Designed and deployed Azure Cosmos DB accounts with multi-region replication and high availability, aligning with global data compliance and performance requirements.
* Automated provisioning and configuration of Cosmos DB resources using Terraform, including account, database, container, throughput, and consistency policy settings.
* Monitor cloud infrastructure using tools like Azure Monitor, Log Analytics, and Alerts.
* Handle basic incidents (e.g., VM not responding, login failure).
* Implemented role-based access control (RBAC) using Azure AD to enforce least privilege security principles.
* Configured and managed Azure Active Directory (Azure AD) for identity and access management across cloud resources.
* Built custom JIRA dashboards to track sprint velocity, release progress, and deployment frequency aligned with DORA metrics.
* Provided executive-level reporting on issue trends, SLA adherence, and team KPIs.
* Supporting the junior team to resolve the issues.

**Walgreens (TCS), Deerfield, IL Sep 2019 -Mar-2025**

**Azure Architect**

**Responsibilities:**

* Led end-to-end migration planning of legacy CI/CD pipelines from on-premises infrastructure to Azure DevOps Services.
* Designed and deployed scalable, highly available, and fault-tolerant systems on multi-cloud.
* Automated build and release pipelines for Java applications using Ansible and Jenkins.
* Migrate existing on-premises applications to Azure cloud.
* Decommissioned legacy on-prem systems post-migration, reducing infrastructure costs and complexity.
* Migrated Legacy Application to OpenShift.
* Implemented data backup policies and diagnostic settings for Cosmos DB, forwarding logs to Azure Monitor for auditing and troubleshooting.
* Wrote PowerShell scripts to automate monitoring of Cosmos DB metrics (RU consumption, latency, availability), ensuring service-level objectives were met.
* Designed and deployed secure, high-availability Azure Virtual Networks (VNets) and subnets for application segmentation and traffic flow control.
* Done the OpenShift for environment setup.
* Migrated workloads from vanilla Kubernetes to OpenShift to leverage enterprise-grade RBAC, SCC, and Operator support.
* Set up hybrid OpenShift architecture spanning on-prem and cloud regions with VPN/ExpressRoute integration and cluster federation.
* Automated build, test and deployment process using Jenkins pipelines and Azure pipelines.
* Integrated Docker with Jenkins for containerized application deployments.
* Manage container orchestration with Azure Kubernetes services (AKS).
* Integrated Datadog for monitoring applications performance.
* Managed cloud resources and networking configurations in Microsoft azure.
* Worked with GitHub and Azure Repos for version control.
* Hands on experience on creation of Pods, Deployments, Persistent Volumes, RBAC, Network policies in Kubernetes.
* Creation of Docker files. Good knowledge of Kubernetes Architecture.
* Selected the appropriate Azure service based on computer, data, or security requirements.
* Identify appropriate use of Azure operational best practices.
* Set up and administer multi-tier computer system environments.
* Working closely with development teams to integrate the projects into the Multi Cloud environment.
* Providing support and technical governance, related to cloud architecture, deployment and operations.
* Monitored Logic App executions using Azure Monitor, Application Insights, and Log Analytics.
* Deployed Logic Apps using ARM/Bicep templates as part of CI/CD pipelines in Azure DevOps or GitHub Actions.
* Built Logic App workflows for automated email notifications, approval processes, file transfers, and API orchestration. Automated failover and health monitoring using Traffic Manager in CI/CD pipelines, integrating with Azure Monitor for real-time alerts.
* Automated RBAC policy assignments using Terraform and Azure DevOps pipelines to streamline environment provisioning with secure access boundaries.
* Integrated Dynamics 365 with SharePoint, Outlook, Teams, and third-party systems using Azure Integration Services. Integrated Node.js microservices with cloud platforms like Azure.
* Docker used to containerize Node.js services for deployment in CI/CD pipelines (e.g., Azure DevOps, and Jenkins).
* Built custom dashboards, alerts, and search queries to monitor health infrastructure, application performance, and security events.
* Designed and implemented Azure DevOps YAML pipelines for build, test, and deploy workflows tailored to cloud-native architecture.
* Replaced manual infrastructure provisioning with Terraform/ARM/Bicep templates integrated into Azure Pipelines for automated deployments.

**CVS(TCS), Noida, India Sep 2018– Aug 2019**

**Azure DevOps Engineer**

**Responsibilities:**

* Shell scripting Cron job for monitoring process.
* Manage and optimize resources to maintain optimal performance and cost-effectiveness.
* Collaborated with security teams to implement consistent security practices across environments.
* Creating and deploying CI/CD pipelines.
* Built data warehousing solutions in Snowflake to support analytics and reporting across departments.
* Involved in weekly production deployments.
* Involved in configuring CICD pipelines using Azure DevOps. This includes for both java-based applications and data pipelines using Cloud Data Flow.
* Took charge during critical incidents. Coordinated resolution efforts.
* Debugging Azure DevOps pipelines.
* Configuring CICD pipelines using Azure DevOps for Java based applications. Involved in troubleshooting and debugging pipelines as well.
* Troubleshooting errors during deployments.
* Involved in configuring CICD pipelines using GIT and Jenkins. Hands on Experience on both GIT Bash as well on GIT UI. Configuring master node and slave nodes for Jenkins.
* Automated Snowflake warehouse scaling and cost optimization using Terraform and Snowflake procedures.
* Monitoring and writing the jobs in Unix environment to automate the process.
* Optimized Snowflake queries using clustering, partitioning, and caching mechanisms.
* Prepared System Appreciation Documents (SAD).
* Conducted review sessions with various business teams for environment connectivity and implementation issues.
* Conducted review sessions with UAT towards the successful implementation in production.
* Configuration Manager for project team.
* Provided status update on test run and prospective growth aspects on.
* Bridging gap between IT and users present at client end.
* Working on the ticket in given SLA and resolving as per client expectations.
* Deployed Logic Apps using ARM/Bicep templates as part of CI/CD pipelines in Azure DevOps or GitHub Actions. Prepare the deployment plan for the production team and share the implementation plan with L2 teams.

**Deutsche Bank (TCS), Gurgaon, India Sep 2014 – Aug 2018**

**Azure DevOps Engineer**

**Responsibilities:**

* Configured CI/CD pipeline in Azure DevOps and GitHub Actions.
* Creation of pipelines using Azure DevOps and GitHub Actions.
* Evaluated Cloud recommended suitable architectures by ensuring high available and disaster recovery solutions.
* Worked on deploying code in Non-Production and Production environment. Involved in debugging issues as well.
* Participated in complex development tasks. Collaborate with cross functional teams.
* Creation of GitHub workflow files using GitHub Actions.
* Enabling GHAS (GitHub Advanced Security) and making sure that teams are adopting it.
* Validation of Depend Bot, Code Scanning and Secret Scanning alerts.
* Involved in weekly production deployments.
* Implementation of Docker best practices while writing Docker file. For Ex: Multistage build. Debugging applications using docker commands.
* Good hands-on experience on Kubernetes objects. Making sure all the pods are UP and running.
* Troubleshooting application deployments in Kubernetes using kubectl commands.
* Validation of ingress for the services by logging into Kubernetes Cluster.
* Good understanding on OpenShift. Good Knowledge on creation of Projects, Users, OpenShift CICD.
* Configuring CICD pipelines using Azure DevOps for Java based applications. Involved in troubleshooting and debugging pipelines as well.
* Troubleshooting errors during deployments
* Involved in configuring CICD pipelines using GIT and Jenkins. Hands on Experience on both GIT Bash as well on GIT UI. Configuring master node and slave nodes for Jenkins.
* Worked on deploying code in Non-Production and Production environment. Involved in debugging issues as well.
* Creation of GitHub workflow files using GitHub Actions.
* Involved in weekly production deployments.
* Involved in configuring CICD pipelines using Azure DevOps. This includes for both java-based applications and data pipelines using Cloud Data Flow and Apache Airflow
* Took charge during critical incidents. Coordinated resolution efforts.
* Debugging Azure DevOps pipelines.
* As a Support monitoring the application and providing resolution in the given SLA.
* Hands on experience on creation of Pods, Deployments, Persistent Volumes, RBAC, Network policies in Kubernetes.
* Creation of Docker files. Good knowledge of Kubernetes Architecture.
* installing, supporting, configuring Redhat/Suse /CentOSLinux OS systems.
* Conducted review sessions with various business teams for implementation issues.
* Conducted review sessions with client
* towards the successful implementation in production.
* Configuration Manager for project team.
* Provided status update on test run and prospective growth aspects on.
* Bridging gap between IT and users present at client end.
* Working on the ticket in given SLA and resolving as per client expectations.
* Monitoring and writing the jobs in Unix environment to automate the process.
* Preparing the QA/SIT/UAT/Production system for client expectations.
* Enforce security measures and compliance standards across various platforms,
* monitoring for vulnerabilities and ensuring data protection.
* Collaborated with security teams to implement consistent security practices across multi-environments.

**Royal Bank of Scotland (TCS), Gurgaon, India Apr 2013 – July 2014**

**Azure DevOps Quality Analyst**

**Responsibilities:**

* Strong understanding of programming languages such as Shell scripting and Python. Solid experience in building and integrating all parts of the CI/CD pipeline. This includes building source control repositories, workflow engines, building environments, testing frameworks, and artifact repositories.
* configuration of tools like Ansible/Azure DevOps and Infrastructure as Code like Terraform.
* Configured CI/CD pipeline in Azure DevOps and GitHub Actions
* Responsible for configuring CI/CD pipelines for DIT and SIT environments. Troubleshooting deployment issues.
* Validation of logs in Red HAT Linux box for EPS, Smart and Camel applications. Involved in installing, supporting, configuring Redhat/Suse Linux OS systems and the underline hardware
* Responsible for creating Jenkins files, docker files and Helm Files for both Non-Prod and Prod Deployments in GITLAB
* Deploying services into DEV and SIT environments and validating health check URLs post deployment.
* Implementation of Docker best practices while writing Docker file. For Ex: Multistage build. Debugging applications using docker commands.
* Good hands-on experience on Kubernetes objects. Making sure all the pods are UP and running.
* Troubleshooting application deployments in Kubernetes using kubectl commands.
* Validation of ingress for the services by logging into Kubernetes Cluster.
* Good understanding of OpenShift. Good Knowledge on creation of Projects, Users, OpenShift CICD.
* Good hands-on experience on Kubernetes objects. Making sure all the pods are UP and running.
* Troubleshooting application deployments in Kubernetes using kubectl commands.
* Validation of ingress for the services by logging into Kubernetes Cluster.
* Creation of resources using Terraform by applying Terraform init, plan and apply command. Validation of state files.
* Monitor and maintain terraform state files to ensure consistency and prevent issues from arising due to incorrect or outdated infrastructure code.
* Application performance monitoring through configuration of Datadog and Application Insight.
* Written a shell for running batch to control the daily cleanup Process
* Monitoring the batches.
* Writing the oracle query for testing.
* Weekend Report preparation and updating Business on.
* Preparing the system as per client requirement.
* Doing daily sanity check for the environment.
* Communicate with clients about any issue.
* Daily process monitoring for application.
* Working with Jira tools for maintaining artifacts.
* Logging issue in Jira.

**Agilent Technologies (TCS), Gurgaon, India July 2011 – Feb 2013**

**Azure DevOps-Engineer**

**Responsibilities:**

* Being assigned and working for a POR (Project-Resource).
* POR is a term used for an enhancement project which requires separate billing from the Client unlike the regular maintenance/support billing projects. Working under a POR involves being a SPOC for designing and delivering the assigned project.
* Delivered major PORs (WEDB Server migration) and more than 10 Enhancement CRs for Agilent Technologies. migration POR I have done the Unix scripting for many batches which pull the data from upstream and send it to the downstream server.
* Exposure to work on Putty and Pl/SQL developer for developing CR.
* SLA monitoring.
* Application performance monitoring.
* Weekend Report preparation and updating Business on.
* IT role for testing the application and monitoring the application.
* Bridging gap between IT and users present at client end.

**Bharat Sanchar Nigam Ltd India, Gurgaon, India Jan 2010– June 2011**

**Support Analyst**

**Responsibilities:**

* Working with O &M Production support team for Prepaid, WI-FI and content (value added services) Services.
* Configuration of switches for call details collection.
* Customization of Call Details Records.
* Configuration of Post-paid, Prepaid and Wi-Fi Plans.
* Resolution of issues related to Prepaid customers.
* Monitoring the call details records.
* Writing the shell script to run the job and prepare the report.
* Monitoring the process through Unix shell scripting.
* Reporting the issue to client.
* Resolving the Issue with customer.
* Deploying security operations on client servers.
* Every weekend running the process to monitor the issue
* Preparing the report for client.

**SIS IT Solution Pvt. Ltd, Lucknow, India Dec 2008– Dec 2009**

**Support Analyst(L2)**

**Responsibilities:**

* Upgrade of their in-house website and maintaining and monitoring their website.
* Testing of the in-house website.
* Upgrading the in-house website.
* Deploying security operations on client servers.
* Every weekend running the process to monitor the issue
* Preparing the report for client.

**HCL Infosystem, National Informatic Centre, Noida, India Sep 2007– Dec 2008**

**Support Analyst**

**Responsibilities:**

* To upgrade the consumer forum network system.
* To online the consumer forum network.
* Working on DB2 and configuring the IBM DB2 on the consumer forum network system.
* Managing and maintaining the consumer forum system.
* Monitoring the consumer forum system.
* Deploying the security patches on the consumer forum network system.
* Testing the functionality of consumer forum system.