

Fuad Ahmed

Address: Saskatoon, SK, S7L6T9, Canada | Cellphone: +1 6394805701

Email: fuad.develop@gmail.com | LinkedIn: <https://www.linkedin.com/in/fuadahmed/>

Professional Summary

Experienced Cloud Solutions Architect and DevOps professional with more than 10 years of experience guiding organizations in crafting secure, scalable, and cost-effective platforms across AWS, Azure, GCP and hybrid environments. Worked with global teams on significant infrastructure transformations, developed high-performing CI/CD systems, and streamlined complex cloud operations. Proficient in implementing PCI-DSS compliant environments, CI/CD and automation, architecting new solutions from scratch, cost optimization and leveraging gen AI for development.

Professional Experience

Cloud Solutions Architect | Portfolio+ Inc., Toronto, ON | 10/2022 – Present

- Collaborated with engineering and product teams to lead architecture initiatives focused on Portfolio+ Open Banking. Our goal was to standardize fintech services across AWS, Azure and on-premise setups, ensuring everything was scalable, resilient, and fully compliant. Leveraged Lucid Charts for diagrams, Amazon Q for documentation assistance.
- Designed and put in place microservices deployment pipelines using Kubernetes (specifically EKS), Helm charts, and GitOps workflows via ArgoCD. This setup supported progressive delivery strategies and ensured safe rollback capabilities, all aimed at hitting that 99.99% availability target.
- Supported on-premise automation by developing ansible playbooks and also by converting legacy bash scripts to PowerShell for faster deployments.
- Developed cloud-native CI/CD pipelines, leveraging GitHub Actions, Jenkins, CodeBuild and ArgoCD. This helped teams iterate on features much faster, boosted pipeline reliability by 95%, and sped up our overall release process by 60%.
- Set up secure and repeatable infrastructure using Terraform and Ansible. By integrating these into Git-based workflows (like Spacelift), we cut down manual effort by 70% and enabled other teams to easily manage their own resources through self-service capabilities.
- Designed reusable CI/CD pipeline templates integrating SonarQube code scans, dependency checks, and automated quality gates for enterprise DevOps adoption.
- Developed Python-based internal utilities to handle specific needs, such as managing MCP servers, implementing PGP encryption for MFTs, and creating custom workflows that integrate with AWS ChatOps and MS Teams/Slack.
- Led platform projects focusing on cost optimization, containerizing applications, and setting up secure delivery pipelines, ultimately achieving a 30% reduction in our monthly cloud infrastructure costs.

- Secured API's using Auth0 authorizer (OAuth2) and also enabled SAML 2.0 secure access to AWS services such as Appstream and Workspace Pools using Okta and Azure Entra ID.

VP of Cloud Engineering | BKash Limited, Dhaka | 01/2018 – 06/2022

- Designed and Deployed a hybrid payment gateway (AWS + OnPrem) using serverless technologies that remains the core system for bKash's merchant payments to this day.
- Created reusable infrastructure-as-code modules and led peer code reviews, which helped standardize deployment processes, boost code quality, and speed up delivery throughout our DevOps pipelines.
- Automated golden AMI and container image creation pipelines using Packer for standardized deployment baselines.
- Collaborated with Product and Engineering teams to have specific roadmaps, making sure technical plans matched business goals, guiding roadmap progress, and ensuring successful collaboration across departments.
- Guided and mentored cloud engineers on architecture design, Git best practices, and DevOps tools, encouraging the team to embrace new technologies and cutting new hire onboarding time by 40%.
- Designed resilient, highly available hybrid systems for distributed environments, contributing to 99.999% uptime by using scalable Kubernetes setups and strong cloud architecture patterns (Well Architected Framework).
- Managed and secured cloud accounts and GitHub by setting up access rules, policies and organizational standards to uphold top practices in identity and infrastructure management.
- Led PCI-DSS compliance efforts, implementing intrusion detection by Trend One (IPS/IDS), WAF, GuardDuty, segmentation of environments to reduce scope and continuous monitoring, resulting in successful PCI certification.

Lead Cloud Engineer | Earthling Security LLC, VA | 12/2016 – 12/2017

- Deployed secure environments to support audits on AWS GovCloud.
- Supported FedRAMP audits by collecting and providing artifacts.
- Conducted monthly vulnerability scans, managed Splunk monitoring, and enforced IAM across 3 secure regions.
- Implemented special processes for safely moving data from Census to AWS GovCloud.
- Performed security scans using Nessus and resolved vulnerabilities.
- Secured customer emails using MS Office 365 exchange, Barracuda and Sophos.

Lead Application Engineer | Banglalink, Dhaka | 10/2005 – 11/2016

- Collect and document new requirements from internal teams (marketing/sales/CS/Ops) and architect solutions based on feasibility.
- Prepare RFI or RFP documents based on collected requirements for vendor solutions.
- Review system capacity and provide license utilization reports to management.
- Implement new services through development or with assistance from external vendors.
- Plan and implement system changes in order to meet SOX compliance.

- Design systems to reconcile 3rd party systems and SDP transactions by collecting CDR and logs.
- Automate tasks on Solaris/Linux platforms using C#, Bash scripts and programming.

Education

- Master of Business Administration in Executive Management
Royal Roads University, Victoria, BC, Canada
C.G.P.A: 3.64 Completed in 2017
- Bachelor of Science in Computer Science
American International University Bangladesh (AIUB), Dhaka, Bangladesh
C.G.P.A: 3.5 Completed in 2005

Technical Skills

- DevOps & CI/CD Tooling: Jenkins, GitHub Actions, ArgoCD, Spacelift
- Containerization & Orchestration: Kubernetes, Docker, ECS, EKS, AKS, GKE, Jfrog Artifactory
- Infrastructure as Code (IaC): Terraform, Ansible, Packer, Helm
- Builds: Maven, Gradle
- Cloud Platforms: AWS, Azure, GCP
- Observability & Monitoring: Datadog, NewRelic, AWS CloudWatch, custom dashboards
- Scripting & Automation: Python, Bash, PowerShell, C#
- Version Control & GitOps: Spacelift, Argo workflows+Argo CD, bitbucket, GitHub, GitLab
- Security: IAM, Auth0, SAML 2.0, Active Directory, Ldap, Encryption (PGP, AES, RSA), SonarQube, keycloak
- Compliance: PCI-DSS v4, SOC 2, NIST, FedRAMP

Certifications

- CKA: Certified Kubernetes Administrator – Dec 2021
- Systems Security Certified Practitioner (SSCP) – Jan 2021
- Certified Payment-Card Industry Security Implementer – Oct 2019
- Architecting with GKE specialization – Jul 2021
- Developing a Google SRE Culture – Jul 2021
- Oracle Database 10g Administrator Certified Professional – Nov 2011
- Helm for Beginners – Dec 2021
- Red Hat Certified Engineer – Jul 2012
- Certified Scrum Product Owner® (CSPO®) – Sep 2021
- Telecommunication Certifications: SMSC, MMSC, IN, GSM, OTA.