

# MD. ASIF IMTIYAJ CHOWDHURY

## DEVOPS ENGINEER

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### OBJECTIVE

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Proactive DevOps and Cloud Engineer with expertise in AWS, Huawei Cloud, and microservices, focused on designing resilient systems and accelerating deployments through automation. Known for strong leadership, taking ownership of projects, and fostering collaboration to enhance team performance and deliver innovative solutions that advance organizational objectives.

### EDUCATION

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**Bachelor of Science**, East West University  
Computer Science and Engineering

2023

### WORK EXPERIENCE

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#### DevOps Engineer

Flagship Digital Ltd

Jan 2025 - Present

*Dhaka, Bangladesh*

- Designed and managed AWS cloud infrastructure, including EKS, DocumentDB, and ElastiCache, ensuring scalability, high availability, and resilience
- Automated infrastructure provisioning using Terraform and Ansible, optimizing efficiency through CI/CD pipelines
- Proficient in Linux system administration, multi-stage Docker image builds, and seamless application deployment
- Implemented robust monitoring solutions with Grafana, Prometheus, and CloudWatch, while optimizing load balancing across EC2 instances and Kubernetes clusters
- Ensured security best practices and compliance while supporting microservices and serverless architectures, proactively identifying and resolving infrastructure challenges
- Mentored teams, fostered a culture of DevOps best practices, and promoted GitOps workflows to enhance collaboration and automation

#### DevOps Engineer (Contractual)

SPG Trust

May 2025 - Present

*Dhaka, Bangladesh*

- Manage and maintain cloud infrastructure across AWS and Huawei Cloud, ensuring robust deployment and scaling of microservices in Kubernetes environments
- Design and implement infrastructure-as-code using Terraform and Ansible, accelerating deployment efficiency through CI/CD pipelines (GitHub Actions, Jenkins, ArgoCD)
- Proficient in Linux system administration, multi-stage Docker image builds, and seamless application deployment
- Set up and optimize monitoring systems using Prometheus and Grafana to maintain system reliability and performance observability
- Enforce cloud security standards and compliance policies, maintaining high standards of data protection and integrity
- Advocate and implement GitOps best practices across teams to streamline collaboration and continuous deployment workflows
- Prepare and maintain technical documentation and support resources to enhance internal team productivity and knowledge sharing

- Designed solutions for AI video service implementation in public cloud environments for Bangladesh’s and Sri Lanka’s Projects, leveraging HCS and HCSO
- Collaborated with the HQ team to resolve Terraform provider errors, ensuring smooth infrastructure automation and deployment
- Demonstrated proficiency in Linux system administration and implemented multi-stage Docker image builds, enabling efficient application creation and delivery
- Configured Docker containerization, Kubernetes clusters, and Elastic Volume services within Banglalink’s private cloud infrastructure, optimizing scalability and resource management
- Delivered comprehensive training sessions to Banglalink employees on Huawei’s Public Cloud, enhancing their cloud skills and operational capabilities
- Developed technical proposals for project owners and authored detailed team documentation to support project execution and knowledge sharing
- Acted as a trainer for Nitol Niloy Group, FeenixLab, and Banglalink staff, contributing to their professional development and proficiency in cloud technologies

- Developed scalable full-stack web applications using ReactJS, NextJS, Node.js, and Express.js, designing RESTful APIs and integrating third-party services to deliver robust and feature-rich solutions.
- Optimized front-end performance and usability by implementing code-splitting, lazy loading, server-side rendering (SSR), and responsive UI components, reducing page load times and enhancing user experience.
- Collaborated in agile environments to deliver high-quality features on tight deadlines, utilizing Git, CI/CD pipelines, and testing frameworks like Jest and Cypress to ensure code reliability and seamless deployments.
- Deployed and monitored applications on cloud platforms like AWS or Azure, leveraging Docker, Kubernetes, and monitoring tools like Sentry to ensure scalability, security, and high availability.

SKILLS

Soft Skills	Leadership, Teamwork, Communication, Problem-solving attitude, Research collaboration, Client enablement
Cloud	Huawei, AWS
Cloud Competencies	Linux, Terraform, Ansible, Pulumi, CI/CD pipelining, OpenStack, Deployment, Cloud Migration, Image Creation
Tools	Docker, Kubernetes, Github Actions, GitLab CI/CD, Grafana, Prometheus, Jenkins, Selenium, Arduino
Programming Languages	C, C++, Java, Python, JavaScript, PHP, Dart
Databases	MySQL, SQLite, MongoDB, PostgreSQL
Technologies	HTML, CSS, ReactJS, NodeJS, EspressJS, NextJS, Git, GitLab, Android, Flutter, IoT
Project Management	Agile methodologies, SDLC, Resource planning, Stakeholder communication

PROJECTS

- 3-tier Deployment

Deploying a 3-tier microservice architecture-based web app with Docker. with react for frontend, backend for nodejs, node and golang api calling, postgresDB
- Terraform-Huawei Cloud Resource Provisioning

Collaborating with Huawei Backend team to solve the Terraform provider for Huawei Cloud resource provisioning into public cloud using Terraform
- GitOps ArgoCD Project

Using Jenkins, ArgoCD and GitOps, deployment and automating CI/CD automation

**Environment-Friendly Semi-Automated Lake Surface Cleaner** A prototype device for cleaning river/ponds of Dhaka lakes floating wastes with remote controlled and semi-automated garbage collector roller

## DOCUMENTATION

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- [Huawei Cloud Provisioning with Terraform](#)
- [Complete Docker Learnings For Everyone!](#)
- [Essential Linux Commands For Every DevOps Engineer To Practice](#)

## REFERENCES

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### **Wang Congcong**

Principal Engineer, Head of South Asia Cloud Business Department

Huawei

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### **Md. Minhaz Uddin**

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