

# 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 deployment speed and consistency through CI/CD pipelines
- Proficient in Linux system administration, multi-stage Docker image builds, and seamless application deployment with ArgoCD
- Implemented robust monitoring solutions with Grafana, Prometheus, CloudWatch, and Middleware.io, while optimizing load balancing across EC2 instances and Kubernetes clusters
- Proactively identified and resolved infrastructure bottlenecks, driving cost-effective resource optimization and ensuring high system performance
- Ensured security best practices and compliance while supporting microservices and serverless architectures
- Mentored teams, fostered a culture of DevOps excellence, and promoted GitOps workflows to enhance collaboration, automation, and a problem-solving mindset

### DevOps Engineer (Remote, Contractual)

SPG Trust

May 2025 - Present

*Dhaka, Bangladesh*

- Manage and maintain cloud infrastructure across AWS, 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, ArgoCD)
- Proficient in Linux system administration, multi-stage Docker image builds, and seamless application deployment
- Set up and optimize monitoring systems using Prometheus, Grafana and Loki to maintain system reliability and performance observability
- Diagnosed and resolved critical issues in the core system, including deployment failures and caching inconsistencies, improving overall system stability
- Collaborated closely with development and infrastructure teams, fostering a problem-solving mindset and driving improvements in deployment workflows
- Implemented resource and cost optimization strategies, enhancing infrastructure efficiency while maintaining performance
- Enforced cloud security standards and compliance policies, maintaining high standards of data protection and integrity
- Advocated and implemented GitOps best practices across teams to streamline collaboration and continuous deployment workflows

- Prepared and maintained technical documentation and support resources to enhance internal team productivity and knowledge sharing

**Cloud Service Engineer**  
Huawei Technologies

Mar 2024 - Dec 2024  
Dhaka, Bangladesh

- 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

**Software Engineer (Internship)**  
Hexen

Feb 2024 - Apr 2024  
Dhaka, Bangladesh

- 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, ExpressJS, 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**

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### **Md. Minhaz Uddin**

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