

Moin Uddin Ahmed



As a versatile professional, I thrive in dynamic environments where I can streamline processes and enhance efficiency through strong technical proficiency. With a knack for programming and a proactive approach to managing resources, I'm dedicated to driving success and supporting collective goals with enthusiasm and adaptability.

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Education

BRAC UNIVERSITY, DHAKA

BSc. In Computer Science
and Engineering
Sep 2023 | CGPA 3.65/4.00

RAJSHAHI GOVT. CITY COLLEGE

HSC
Mar 2018 | GPA 4.17/5.00

RAJSHAHI COLLEGIATE SCHOOL

SSC
Jan 2016 | GPA 5.00/5.00

Experience

OPERATIONS ENGINEER, Portonics Limited, DHAKA

August 2025 - Present

Working as a DevOps Engineer at Portonics on the Telenor Myanmar/ATOM App development team, focusing on platform reliability, scalability, and performance for the large-scale telecom ecosystem. Managing containerized deployments with Docker and Kubernetes to ensure reliable releases and high system availability. Collaborating with engineering and product teams to automate workflows and improve monitoring using Splunk AppDynamics for proactive issue detection. Administering PostgreSQL databases to maintain application stability and data integrity while coordinating VA/PT cycles for security compliance. Troubleshooting production issues using ELK and Kibana, driving root-cause analysis and ensuring consistent service quality and SLA compliance.

DEVOPS ENGINEER, UPAY (UCB Bank PLC and UCB FINTECH COMPANY LTD.), DHAKA

Jun 2024 - August 2025

Leveraging advanced tools and practices to optimize system performance and scalability. Managing Elastic Stack (ELK) and Kibana for logging and visualization, Kubernetes for cluster orchestration, and Prometheus with Grafana for monitoring. Deploying Rook Ceph for storage solutions and Pipelinewise with Apache Airflow for data warehouse. Scripting complex codes for automating and semi automating large tasks with Ansible. Expertise in PGO Crunchy for database management in Kubernetes Cluster.

Skills

Programming

Python, Java, Bash, HTML,
CSS, PHP, JavaScript

DevOps

Linux, KVM, CI/CD,
ETL/ELT, Docker,
Kubernetes, PGO Crunchy,
Redis

Database

Postgres, MySQL

Framework

Django, Laravel

Monitoring

AppDynamics, Grafana,
Prometheus

Notable Tasks and Projects

Datacenter Migration of Core Application Services: Kubernetes, PostgreSQL, Shell, Python (2026): Migrated core application, database, and backend services from an older datacenter to a newer infrastructure, coordinating cutover with minimal downtime and validating data integrity and service continuity post-migration.

Repository Migration from Bitbucket to GitHub: Git, Python, Shell, CI/CD (2025): Performed migration of source repositories from Bitbucket to GitHub, preserving branch history, tags, and access permissions while reconfiguring CI/CD pipelines to ensure zero disruption to ongoing development workflows.

Data Center Disaster Recovery (DC DR) Migration with Logical Replication: Kubernetes, Python, Shell, Istio, PostgreSQL, PGO Crunchy (2024): Migrated critical systems with minimal downtime, set up a Kubernetes cluster, and deployed services. Installed Crunchy PGO and configured PostgreSQL logical replication for seamless data migration and high availability, validated with testing and monitoring.

Highly Available PostgreSQL Cluster: Patroni, etcd, HAProxy, Keepalived (2023): Built a resilient PostgreSQL cluster with Patroni for failover, etcd for state management, HAProxy for load balancing, and Keepalived for VIP, ensuring production-grade availability.

Apache Airflow & PipelineWise ETL Setup: Python, Shell (2024): Set up Airflow for workflow orchestration and PipelineWise for efficient ETL to data warehouse.

Kubernetes PVC & To SnapDB Rsync: Python, Shell (2024): Designed and implemented an rsync-based solution for PGO Crunchy PostgreSQL pods to synchronize pgBackRest archive and backup files to SnapDB (cold backup), enabling real-time database replication.

Accomplishments and Awards

1st and 2nd positions in Divisional Science Fair Competitions in 2016 and 2017 for the innovative "Smart Plug" system, automating electric and electronic gadgets.

3rd position in BCSIR Science Project, Rajshahi.

Reference

M. A. Jobayer Bin Bakkre

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Community Bank Bangladesh PLC

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Muhammad Iqbal Hossain, PhD

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