

# ABDUR RAHIM

DevOps Engineer

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## PROFESSIONAL SUMMARY

DevOps Engineer with 5+ years of progressive experience across system support, on-premises deployment, and cloud-native infrastructure. Skilled in building CI/CD pipelines (GitHub Actions, Jenkins, Argo CD), managing Kubernetes workloads on AWS and Proxmox, and implementing observability with Prometheus and Grafana. Strong focus on automation, reliability, and production-readiness across development, staging, and production environments.

## WORK EXPERIENCE

### DevOps Engineer

June 2026 – Present

*Shomvob Technologies Ltd.*

- Automated CI/CD (GitHub, Jenkins) for staging and production on AWS EC2, with Trivy image scanning replacing a manual release process.
- Managed AWS EC2, Supabase (PostgreSQL + Auth), and the ZKTeco integration.
- Built end-to-end observability with Prometheus, Grafana, Node Exporter, Uptime Kuma, and Sentry - threshold and uptime alerting via Discord, Telegram, and email.
- Leading the monolith-to-microservices migration on AWS EC2 with Kong API Gateway and Keycloak.

### DevOps Engineer

July 2024 – May 2026

*Crystal Technology Bangladesh Ltd.*

- Deployed and managed Kubernetes-based microservices across AWS and Proxmox infrastructure.
- Built automated CI/CD pipelines using GitHub Actions and Argo CD (GitOps).
- Configured NGINX for load balancing and reverse proxy across services.
- Managed PostgreSQL and MongoDB databases and object storage using MinIO (S3-compatible).
- Integrated observability tooling Prometheus, Grafana, and Uptime Kuma - for monitoring and uptime tracking.
- Implemented APISIX (API gateway), Keycloak (authentication), Kafka (messaging), and Redis (caching) for platform services.

### Deployment Engineer

October 2022 – June 2024

*Crystal Technology Bangladesh Ltd.*

- Deployed Bahmni (hospital management system) using both Dockerized and manual installations.
- Managed 100+ Linux-based on-premises server deployments across hospital environments.
- Migrated systems and resolved critical issues such as data sync failures and service outages.
- Designed and customized dynamic reports using JasperReports and BIRT.

### System Support Engineer

November 2020 – October 2022

*Crystal Technology Bangladesh Ltd.*

- Installed and maintained Linux-based systems, network configurations, and firewall rules.
- Provided technical support and training on hospital automation software.
- Diagnosed and resolved OS, hardware, and network issues to ensure system stability.

## TECHNICAL SKILLS

**Cloud & Infrastructure:** AWS, Proxmox VE, Docker, Kubernetes, Terraform, Ansible

**Operating Systems:** Linux (RHEL, Ubuntu) - System Administration, Shell Scripting

**CI/CD & Automation:** GitHub Actions, Jenkins, Argo CD, Git, Bash, Python

**Observability:** Prometheus, Grafana, Uptime Kuma, Node Exporter

**Databases & Storage:** PostgreSQL, Supabase, MongoDB, MySQL, Redis, MinIO (S3)

**Platform & Middleware:** APISIX (API Gateway), Keycloak / Supabase Auth, Kafka

**Networking & Security:** NGINX, Firewall, Reverse Proxy / Load Balancing

**Languages & Frameworks:** Bash, Python, Java (Spring Boot)

**Reporting:** JasperReports, BIRT

## PROJECTS

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### Shomvob HR Platform ([hr.shomvob.com](http://hr.shomvob.com))

Enterprise multi-tenant HR (HRIS) SaaS platform on AWS EC2 with Supabase (PostgreSQL + Auth). Built a full CI/CD pipeline (GitHub, Jenkins, Trivy) with production approval gates and Discord/Telegram alerts, plus end-to-end observability (Prometheus, Grafana, Uptime Kuma, Sentry). Leading the migration to microservices with Kong API Gateway and Keycloak.

### Health Services Management System (HSMS)

Scalable microservices-based health platform for hospital and patient data - the production system behind the DevOps role at Crystal Technology. Deployed and operated on Kubernetes across AWS and Proxmox, with automated CI/CD (GitHub Actions + Argo CD GitOps), NGINX load balancing, and 24/7 observability via Prometheus, Grafana, and Uptime Kuma.

### Share Health Record (SHR)

Enabled patient data sharing between hospitals using a unique health ID, removing the need to carry physical prescriptions. Handled full setup and configuration on on-premises servers and ensured stable performance across hospital networks.

## EDUCATION

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### B.Sc. in Computer Science and Engineering (CSE)

2015 – 2019

National University, Bangladesh - CGPA: 3.11 / 4.00

## REFERENCES

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**Md. Amdadul Islam (Nidro)** - CTO, Crystal Technology Bangladesh Ltd.  
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**Kazol Hossen** - Manager, Digital Solutions & VAS (IT), Robi Axiata PLC  
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