

Mohosin Islam Palash

Senior DevOps Engineer | Site Reliability Engineer | Software Engineer

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PROFESSIONAL SUMMARY

Senior DevOps Engineer / Site Reliability Engineer with experience in production operations, cloud infrastructure, observability, incident management, and software engineering. Experienced in supporting production applications across Azure and GCP, with hands-on experience in Kubernetes/GKE/AKS, Datadog, Docker, Terraform, CI/CD, Linux, and Python automation. Experienced in 24/7 on-call operations, P1/P2 incident response, production troubleshooting, monitoring, and reliability improvements. Previously worked as a software engineer developing native iOS applications using Swift and SwiftUI. Currently pursuing an M.Sc. in Computer Science and Engineering with research experience in machine learning and deep learning.

TECHNICAL SKILLS

Cloud & Infrastructure: Azure, GCP, GKE, AKS, Kubernetes, Docker, Linux, Terraform

Observability & Operations: Datadog, Azure Monitor, Application Insights, Opsgenie, Monitoring, Alerting, Incident Management, SRE

DevOps & Automation: CI/CD, Infrastructure Automation, Python Scripting, Cloud Automation, API Automation

Programming: Python, Swift, C++, Java, JavaScript, Node.js

Software Engineering: SwiftUI, REST APIs, Git, Debugging, Testing

Databases: MSSQL, Oracle, MongoDB, Core Data

Security: OWASP Top 10, HIPAA/HITECH, Security Awareness

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer (SRE) — Enosis Solutions

Jan 2025 – Present

- Support the reliability and availability of 4 production applications and multiple services, with a primary focus on production operations and infrastructure.
- Participate in 24/7 on-call rotations and investigate and resolve P1/P2 production incidents across application, database, Kubernetes, networking, and cloud infrastructure layers.
- Design, maintain, and optimize Datadog monitors, dashboards, alerts, and observability for production services.
- Perform root-cause analysis of production incidents and implement reliability improvements to reduce operational risk and improve service stability.
- Work hands-on with Azure, GCP/GKE, Kubernetes/AKS, Docker, Terraform, Linux, and CI/CD as part of cloud and production operations.
- Develop Python automation for Datadog dashboard and monitor creation, Azure resource screening, and automated weekly incident reporting.
- Executed Datadog service-account migration and API-key rotation initiatives across production and non-production environments.
- Facilitate incident bridge calls and retrospective sessions, coordinating technical investigation, communication, and follow-up actions.
- Collaborate with engineering teams to improve monitoring coverage, alert quality, incident response, and overall system reliability.

Software Engineer — Enosis Solutions

Jan 2023 – Dec 2024

- Developed and maintained native iOS applications for Practice by Numbers, including PbN Grow and PbN Kiosk, using Swift and SwiftUI.
- Developed new application features based on product requirements and UI/UX specifications.
- Investigated and resolved application defects and production issues to improve application stability and user experience.

- Worked across the software development lifecycle, including feature development, debugging, testing, and application deployment.
- Collaborated with cross-functional teams to integrate application functionality and deliver production-ready features.

Front-End Web Developer — Seed to BIG

Nov 2021 – Sep 2022

- Developed websites for multiple events using HTML, CSS, Bootstrap, JavaScript, and ReactJS.
- Contributed to both individual and team-based web development projects.

Skill Development Instructor — Seed to BIG

Dec 2020 – Oct 2021

- Created educational content and video tutorials covering C programming and Microsoft Word.
- Prepared instructional materials for skill-development courses.

EDUCATION

M.Sc. in Computer Science and Engineering — BRAC University

Oct 2026 – Expected Dec 2027

- Currently pursuing graduate studies with an interest in Artificial Intelligence, Machine Learning, and software engineering.

B.Sc. in Computer Science and Engineering — Ahsanullah University of Science and Technology

2018 – 2022

- CGPA: 3.693 / 4.00

RESEARCH & PUBLICATION

Automated Recognition of Harmonic Patterns in Candlestick Chart: A Comparative Study of Machine Learning and Deep Learning Approaches

2024 27th International Conference on Computer and Information Technology (ICCIT) | Dec 2024

- Investigated machine learning and deep learning approaches for automated recognition of harmonic patterns in candlestick charts using historical Dhaka Stock Exchange data.
- Compared Decision Tree, Random Forest, AdaBoost, MLP-1, and MLP-2 models for binary classification.
- The MLP-2 model achieved the highest reported accuracy of 90.50% among the evaluated approaches.

DOI: 10.1109/ICCIT64611.2024.11022580

CERTIFICATIONS

- HIPAA HITECH Privacy for Business Associates — HC-101-BA-01
- Understanding the OWASP® Top 10 Security Threats
- Security Awareness: Be a Strong Link — S-131-SL-03
- Additional Security/Technical Certifications — Decodes Lab Ltd.

KEY PROFESSIONAL STRENGTHS

- Production Operations & Reliability Engineering
- Incident Response & Root-Cause Analysis
- Cloud Infrastructure & Monitoring
- Observability & Alert Engineering
- Infrastructure & Process Automation
- Cross-functional Incident Communication
- Software Development & Debugging
- Continuous Learning & Technical Research