MD TORIQUL ISLAM

DevOps & Cloud Engineering | OCI Certified Architect Associate | CS Student, Cloud Computing
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PROFESSIONAL SUMMARY

Computer Science student specializing in Cloud Computing and Oracle Cloud Infrastructure Certified Architect Associate, with 4+ years of hands-on automation experience in a large-scale industrial environment, backed by earlier IT infrastructure and engineering roles. Build and maintain enterprise automation workflows processing 10,000+ daily submissions, cutting workflow failure rates from 35.65% to 1.47% and processing time to approximately 5–30 seconds. Hands-on with AWS, OCI, Docker, Kubernetes, Terraform, Jenkins, and GitHub Actions through an 18-month DevOps apprenticeship and public lab projects. Expected to graduate Dec 2027; seeking DevOps, Cloud Engineering, Platform Engineering, or SRE internship and entry-level opportunities.

TECHNICAL SKILLS

Languages & Scripting: Python | Bash/Shell | JavaScript
Cloud & Infrastructure: AWS (EC2, VPC, IAM, Lambda, EKS) | Oracle Cloud Infrastructure | Linux | Terraform | Ansible
Containers & CI/CD: Docker | Kubernetes (EKS, K3s) | Helm | Jenkins | GitHub Actions | Git
Automation Platforms: Microsoft Power Platform
Working Knowledge: Argo CD | Prometheus | Grafana | Loki

CERTIFICATIONS & TRAINING

- ↪ **Oracle Cloud Infrastructure Certified Architect Associate** — Oracle (Oct 2026)
- ↪ **Oracle Cloud Infrastructure Certified Foundations Associate** — Oracle (Oct 2026)
- ↪ **AWS Certified Solutions Architect – Associate** — Amazon Web Services (In progress)
- ↪ **AWS Academy Graduate – Cloud Security Foundations** — AWS Academy, 20 hours (Oct 2026)
- ↪ **DevOps Career Track** — Poridhi.io (2023–2025)
- ↪ **Google IT Automation with Python; Google IT Support** — Google Career Certificates (2023)
- ↪ **Networking Basics; NDG Linux Unhatched** — Cisco Networking Academy (2023)

PROFESSIONAL EXPERIENCE

HSE Coordinator (System Team) | Seatrium (via Alpine Engineering) | Singapore · On-site *Dec 2022 – Present*

- ✓ Develop and maintain automation solutions using Python, Shell, and Microsoft Power Platform to digitalize HSE workflows, reporting, and data processing across a large-scale shipyard operation.
- ✓ Built automation workflows handling 10,000+ daily submissions, replacing repetitive manual processing.
- ✓ Reduced workflow failure rates from approximately 35.65% to 1.47% through root-cause troubleshooting, input validation, process optimization, and structured error handling.
- ✓ Automated recurring report-generation and data-processing workflows, reducing processing time to approximately 5–30 seconds with minimal manual intervention.
- ✓ Gather requirements from stakeholders across engineering and operations teams, validate workflows, and roll out process improvements in a safety-critical environment.

DevOps Engineering Trainee | Poridhi.io | Remote · Apprenticeship *Dec 2023 – May 2025*

- ✓ Completed hands-on DevOps engineering training on AWS, Terraform, and Ansible, building practical experience with Infrastructure as Code and configuration management.
- ✓ Designed and implemented CI/CD pipelines using Jenkins and GitHub Actions to automate application build, test, and deployment.
- ✓ Containerized applications with Docker and deployed workloads to Kubernetes, including K3s clusters on AWS.
- ✓ Wrote Python and Shell scripts to automate repetitive development and infrastructure tasks, and troubleshot deployment issues on peer cloud projects.

IT Support Specialist | NEON Publication | Dhaka, Bangladesh · Hybrid *Aug 2020 – May 2022*

Part-time remote alongside shipbuilding role until Mar 2021; full-time on-site thereafter.

- ✓ Managed and maintained Linux-based IT infrastructure supporting internal systems, applications, and end users.
- ✓ Developed Python and Shell scripts to automate repetitive support and operational tasks.
- ✓ Implemented monitoring for infrastructure and applications, and managed backups and disaster recovery procedures.
- ✓ Assisted development teams with CI/CD and deployment workflows for internal applications.

Shipbuilding Engineer (Project) | FMC Dockyard Limited | Chittagong, Bangladesh · On-site *Aug 2018 – Mar 2021*

- ✓ Oversaw engineering, fabrication, and production activities through vessel construction in a project engineering capacity.
- ✓ Reviewed and modified engineering designs and technical drawings to fit production requirements and manufacturing constraints, including CNC-based fabrication.
- ✓ Coordinated production teams and cross-functional stakeholders against engineering requirements and schedules, and maintained engineering documentation.

FEATURED PROJECTS

AWS EKS Infrastructure (GitHub)
- Multi-environment EKS built with modular Terraform: VPC, cluster, on-demand and spot node groups
- Multi-AZ VPC with per-AZ NAT gateways, IRSA via OIDC, IAM-to-RBAC mapping, and Helm charts per environment

Stack: *AWS EKS · Terraform · Helm · IAM*

Jenkins CI/CD on AWS (GitHub)
- Full Jenkins CI/CD pipeline lifecycle, from bare infrastructure to an operational build environment
- Automated server provisioning on AWS with a distributed controller-agent architecture

Stack: *Jenkins · AWS · CI/CD*

Kubernetes HPA Autoscaling (GitHub)
- Horizontal Pod Autoscaler implementation tested with real workloads and synthetic traffic
- Configured metrics-server and tuned thresholds to validate scale-out and scale-in behavior

Stack: *Kubernetes · Metrics Server*

Self-Healing NGINX with Docker (GitHub)
- Multi-container NGINX deployment with a dedicated watcher container for continuous health polling
- Mailer container sends alerts on failure using a sidecar monitoring pattern

Stack: *Docker · NGINX · Monitoring*

EDUCATION

Bachelor of Science in Computer Science (Cloud Computing) *Jan 2025 – Dec 2027 (Expected)*
INTI International University, Malaysia

Diploma in Engineering, Shipbuilding Technology *Jun 2014 – Jul 2018*
Institute of Marine Technology, Faridpur, Bangladesh