Md. Asaduzzaman Rony

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PROFILE SUMMARY

DevOps & Automation Engineer with 2+ years of experience building reliable, scalable infrastructure and automated systems. Skilled in automation (Bash, Python), Infrastructure as Code (Terraform, Ansible), and GitOps workflows (ArgoCD) with proven ability to reduce deployment times and failure rates. Strong background in automated testing, observability (Prometheus, Grafana), and container orchestration (Kubernetes). Passionate about continuous improvement, automation first approach, and creating efficient development workflows that enable teams to deliver quality software faster.

EXPERIENCE

Dynamic Solution Innovators Ltd. – *Junior DevOps Engineer*   Sep 2023 – Aug 2025

- **Full-Stack Development:** Developed and troubleshot applications in Java, JavaScript, Python, PHP and more.
- **CI/CD & Automation:** Built deployment workflows with Jenkins, Argo CD, and GitHub Actions, integrating SonarQube and Docker Scout for testing and security.
- **Container Orchestration:** Deployed microservices with Kubernetes and Docker, using GitOps, Docker Compose, and blue-green/canary strategies for zero-downtime releases.
- **Cloud & Infrastructure:** Managed AWS and DigitalOcean environments with scalable, reliable, and secure configurations.
- **Monitoring & Reliability:** Implemented Prometheus, Grafana, and OpenTelemetry for metrics, logging, and tracing.
- **Database & Servers:** Administered SQL (PostgreSQL, MySQL, Oracle, MSSQL) and Redis, and managed Linux/Windows servers with backup and performance optimization.

BJIT Academy Ltd. – *Trainee DevOps and Cloud Engineer*   Apr 2023 - Jul 2023

- **Cloud Computing:** Deployed and managed secure applications with AWS services including VPC, EC2, RDS, Route53, CloudFront, IAM, and S3 for optimized and cost-effective solutions.
- **Container Orchestration:** Utilized Docker and Docker Compose containerization with security and efficiency. Configured a Kubernetes cluster for on-premises and EKS in AWS.
- **Automation and CI/CD:** Implemented robust CI/CD pipelines using Jenkins and GitLab. Utilized Ansible and Bash for Linux configuration management.

EDUCATION

B.Sc. in Computer Science and Engineering   Jan 2018 – Feb 2023
Khulna University

CERTIFICATES

Certified Kubernetes Administrator - *The Linux Foundation*   Sep 2024 – Sep 2026

TECHNICAL SKILLS

- **Infrastructure as Code:** Terraform, Ansible
- **Container Orchestration:** Kubernetes (CKA Certified), Docker, ArgoCD
- **Cloud Platforms:** AWS (VPC, EC2, RDS, EKS, S3, Route53, IAM), DigitalOcean
- **Observability & Monitoring:** Prometheus, Grafana, OpenTelemetry, ELK Stack
- **Programming Languages:** Python, Java, JavaScript, Bash, C++, YAML
- **CI/CD & Automation:** ArgoCD, Jenkins, GitHub Actions
- **Linux Administration:** Server management, networking, storage systems
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, Oracle, MSSQL
- **Version Control & GitOps:** Git, GitHub, GitLab, ArgoCD
- **Web Servers & Load Balancing:** Nginx, HAProxy, Apache, Tomcat

PROJECTS

- **Kubernetes Cluster:** Built Ansible playbooks for automated Kubernetes cluster setup on CentOS, including control plane and worker node configuration with proper networking and security.
- **GitOps Infrastructure:** Designed GitOps workflow using ArgoCD for Blue-Green and Canary deployments, achieving zero-downtime releases and improved rollback capabilities.
- **Monitoring Stack:** Deployed comprehensive observability solution with Prometheus, Grafana, and OpenTelemetry across multiple environments.
- **Java CI/CD Pipeline:** Implemented end-to-end CI/CD pipeline for Java application with Jenkins, Docker, Kubernetes, and AWS integration, featuring automated deployment strategies.
- **eMarket**: An e-commerce web application in the Vue.js framework with Vuex state management, a Stripe payment gateway, a Node.js backend, and a MySQL database.
- **Smart Diary**: A Flutter application with the GetX framework, Node.js backend, TypeScript, and MongoDB database for sharing notes between teachers and students.

INTERESTS

- Exploring cloud-native and AI-driven workflows.
- Continuous learning through certifications and communities.
- Practicing problem-solving on coding platforms.
- Contributing to open-source in DevOps and AI.
- Experimenting with AI in software development and automation.

LANGUAGES

- **English:** Professional Working Proficiency
- **Bangla:** Native or Bilingual Proficiency