

# Md. Asaduzzaman Rony

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## PROFILE SUMMARY

DevOps & Software Engineer with 2 years of experience in building scalable applications and automated infrastructure. Skilled in application development (Java, JavaScript, Python, C++), CI/CD pipelines, container orchestration, and cloud platforms (AWS, DigitalOcean). Hands-on expertise in infrastructure provisioning with Terraform, configuration management with Ansible, and virtualization with VMware. Adept at bridging software engineering and DevOps practices to deliver secure, reliable, and efficient solutions.

## EDUCATION

**B.Sc. in Computer Science and Engineering** Jan 2018 – Feb 2023  
*Khulna University* GPA: 3.43 / 4.00

- Coursework:** Data Structures, Algorithms, Database Systems, Operating Systems, Computer Networks, Software Engineering, Artificial Intelligence, Machine Learning.

## EXPERIENCE

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

- Software Development:** Built and debugged applications in Java, Python, JS, and C++, ensuring optimized and maintainable code.
- Infrastructure Provisioning:** Automated infrastructure with Terraform in AWS to enable cost-effective and scalable solutions.
- Virtualization & Containers:** Deployed applications using VMware, Docker, and Kubernetes, designing HA container architectures with GitOps and Docker Compose.
- CI/CD & Automation:** Created robust pipelines using Jenkins, Argo, and GitHub Actions, integrating Bash/Python scripts for automation.
- Cloud & Server Management:** Administered Linux/Windows servers, configured cloud services (EC2, RDS, S3, Route53, IAM), and optimized security & performance.
- Monitoring & Observability:** Built observability stack with Grafana, Prometheus, and OpenTelemetry, implementing logs, metrics, and tracing dashboards.
- Database Management:** Maintained SQL (Oracle, MySQL, PostgreSQL, MSSQL) and NoSQL (MongoDB, Redis) databases with recovery, backup, and performance tuning.

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

- Cloud Computing:** Managed AWS infrastructure including VPC, EC2, RDS, CloudFront, IAM, and S3.
- Container Orchestration:** Built secure containerized apps with Docker and Kubernetes (EKS & On-Prem).
- Automation and CI/CD:** Implemented CI/CD pipelines with Jenkins & GitLab, plus automation using Ansible and Bash.

## CERTIFICATES

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

## TECHNICAL SKILLS

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- **Languages:** Python, Java, JavaScript, C++, Bash
- **Frameworks:** Vue.js, Flutter, Node.js, React.js
- **Cloud Platforms:** AWS (IAM, VPC, EC2, RDS, EKS, Route53, S3), DigitalOcean
- **DevOps & Automation:** Terraform, VMware, Docker, Kubernetes, Jenkins, ArgoCD, Ansible, GitHub Actions
- **Servers & Networking:** Nginx, HAProxy, Apache, Tomcat, Postfix | TCP/IP, DNS, LAN/WAN
- **Databases:** MySQL, PostgreSQL, MSSQL, Oracle, MongoDB, Redis
- **Monitoring:** Prometheus, Grafana, OpenTelemetry, ELK Stack
- **Version Control:** GitHub, GitLab
- **Development Practice:** Agile (Scrum), SDLC
- **Other Tools:** MinIO, CSS3, HTML5, Git

## PROJECTS

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- **eMarket**: Vue.js + Node.js e-commerce app with Stripe integration & MySQL backend.
- **Smart Diary**: Flutter + Node.js/TypeScript + MongoDB app for collaborative note sharing.
- **Argo Practice**: GitOps with ArgoCD for Blue-Green & Canary deployments.

## INTERESTS

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- Open-source DevOps tool contribution.
- Cloud-native & AI-integrated DevOps experimentation.
- Continuous learning via certifications, labs, and tech communities.
- Problem-solving on LeetCode, HackerRank, etc.
- Exploring AI integrations in DevOps workflows.

## LANGUAGES

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