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 across AWS & DigitalOcean, enabling 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

- **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

- **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

- 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

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