

Md. Asaduzzaman Rony

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PROFILE SUMMARY

Experienced Software Engineer with 2 years of hands-on experience in building optimized and efficient software delivery processes and scalable applications. Proficient in application development using Java, JavaScript, Python, and C++. Skilled in cloud computing and infrastructure automation, with expertise in AWS, Linux, Docker, Kubernetes, and Ansible. Implemented CI/CD pipelines using Jenkins and Argo to automate development workflows. Leverages AI pair programming tools to enhance productivity, and accelerate development workflow.

EDUCATION

B.Sc. in Computer Science and Engineering
Khulna University

Jan 2018 – Feb 2023
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

- **Full-Stack Development:** Developed and troubleshoot applications in Java, JavaScript, Python, PHP and more.
- **Cloud Computing:** Deployed and optimized solutions across AWS and Digital Ocean platforms and managed core services to ensure scalable and reliable infrastructure.
- **Container Orchestration:** Implemented Kubernetes and Docker for microservice applications. Using GitOps in Kubernetes and Docker Compose for deployment workflows and designing highly available container architectures.
- **Database Administration:** Managed SQL databases (Oracle, MSSQL, PostgreSQL, MySQL) and Redis servers, establishing backup and optimized performance for production applications.
- **Server Management:** Administered and configured Linux and Windows servers with service for highly available and optimized applications.
- **Automation and CI/CD:** Built deployment workflows with Jenkins, Argo, GitHub Actions, and scripts for multiple pipeline and configuration management.
- **Monitoring and Observability:** Implemented Grafana, Prometheus, and OpenTelemetry for comprehensive monitoring, establishing metrics, logging, and tracing solutions with dashboards for proactive management.
- **AI-Enhanced Development:** Utilized GitHub Copilot and AI code editors to accelerate application development, debug automation scripts, and troubleshoot complex configuration issues.

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.

CERTIFICATES

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, C++, Bash, etc.
- **Framework:** Vue.js, Node.js, Flutter, Bootstrap
- **AWS:** IAM, VPC, EC2, EKS, RDS, S3, Route53, etc.
- **DevOps:** Docker, Kubernetes, Jenkins, Argo, Ansible, GitHub, etc.
- **Object Storage:** Minio
- **Mail Server:** Postfix
- **Operating System:** Debian Linux, RedHat Linux, Windows
- **Web Servers:** Haproxy, Nginx, Apache.
- **Monitoring:** Prometheus, Grafana, Opentelemetry
- **Databases:** MySQL, PostgreSQL, Microsoft SQL, Oracle, MongoDB
- **Development strategy:** Agile Development with Scrum Methodology
- **Miscellaneous Expertise:** CSS3, HTML5, Git, etc.

PROJECTS

- **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 theGetX framework, Node.js backend, TypeScript, and MongoDB database for sharing notes between teachers and students.
- **Argo Practice:** GitOps practice with ArgoCD for Blue Green and Canary Deployment.

INTERESTS

- Contributing to open-source DevOps tools and projects.
- Building lab environments for Kubernetes and cloud experimentation.
- Participating in cloud computing and DevOps communities.
- Continuous learning through certifications and tech webinars.
- Solving programming challenges on platforms like LeetCode and HackerRank.
- Exploring AI integrations in DevOps workflows and infrastructure optimization.

LANGUAGES

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