Md Rezaul Karim

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EDUCATION

Gono Bishwabidyalay   **Savar, Dhaka**
B.Sc in Computer Science & Engineering
October, 2022

PROFILE SUMMARY

Aspiring Cloud and DevOps Engineer with a strong foundation in designing, deploying, and managing scalable systems. Proficient in Docker, Kubernetes, Jenkins, Git, and GitHub, with a keen focus on automating CI/CD pipelines to streamline deployment processes. Skilled in AWS cloud services, infrastructure automation, and serverless technologies, ensuring system performance and reliability. With hands-on experience in Linux environments and deployment management, I am committed to learning and delivering innovative solutions in dynamic environments, seeking opportunities to apply my skills in a professional setting.

EXPERIENCE

AB Apparels Ltd (AB GROUP)   **October 2024 – Present**
IT Support Engineer
- Worked as a Support Engineer in the garments industry, focusing on process automation, system monitoring, and IT support to enhance operational efficiency.

PROJECTS

Bartadhara News Web App   **October 2024 – Present**
Bartadhara is a dynamic news web application designed to deliver personalized and international news seamlessly. The project utilizes GoLang for backend development, HTML, CSS, and JavaScript for the frontend, and MySQL as the database for efficient data management.
Responsibilities:
- Designed a scalable microservices architecture with containerized services.
- Implemented GitOps using ArgoCD for declarative and automated application management.
- Automated CD with Jenkins CI/CD, utilizing multibranch pipelines and GitHub webhooks.
- Managed Kubernetes infrastructure, including deployments, storage (NFS), and networking (Ingress, Services).
- Currently integrating CI to enhance automation and maintain code quality.

Student Information Management System (Studentify)   **April 2024 - June 2024**
Studentify harnesses Angular 16, Spring Boot, and MySQL to deliver robust CRUD functionalities for efficient student data management.
Responsibilities:
- Studentify employs microservices architecture with containers for scalability.
- Jenkins CI updates Kubernetes deployments dynamically, while ArgoCD ensures seamless continuous deployment.
- Jenkins pipeline with multibranch and GitHub webhook automates CI for both frontend and backend.
- Kubernetes manages deployments, pods, replica sets, PVs, PVCs, and configmaps for reliability and scalability, while Services and Ingress ensure smooth internal communication and external access.

SKILLS

Programming: GoLang (Basic)   **Operating Systems:** Ubuntu, Ubuntu Server, Windows
Version Control: Git, GitHub   **Containerization:** Docker
Orchestration: Kubernetes   **CI:** Jenkins
Cloud: AWS   **CD:** ArgoCD

ACADEMIC ACHIEVEMENTS

- Led and developed a full-stack E-commerce website for my university, handling design, coding, deployment, and testing. Automated CI/CD with Jenkins, containerized with Docker, and managed deployments using Kubernetes for efficient delivery.