

# Khaled Hossain

## Jr. Software Engineer (DevOps Focus)

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### Career Summary

Software Engineer with 1.5+ years of experience building scalable web applications and backend systems using Python, PHP (Laravel), and modern JavaScript frameworks. Currently pursuing an MSc in Computer Science with a strong focus on **DevOps, cloud-native systems, and CI/CD automation**.

Hands-on experience with **Docker, Kubernetes, Jenkins, and Git-based workflows**, including building automated pipelines for containerized applications. Skilled in developing REST APIs, optimizing databases, and deploying applications in cloud environments (AWS EC2).

Passionate about **bridging development and operations**, improving deployment efficiency, and building reliable, scalable systems. Seeking entry-level Software Engineer / DevOps Engineer roles.

### Education

#### London South Bank University

Master of Science in Computer Science

London, UK

Sep. 2025 – Present

#### American International University-Bangladesh

Dhaka, Bangladesh

Bachelor of Science in Computer Science & Engineering

(CGPA: 3.85 out of 4.00)

Oct. 2020 – Sep. 2024

### Experience

#### Junior Software Engineer

Apr. 2025 – Aug. 2025

Kiwii IT (Dhaka, Bangladesh)

- Developed scalable e-commerce and business management systems using Laravel, React, and MySQL
- Played a key role across the full development cycle – from architecting robust backend systems to building responsive, user-friendly front-end interfaces
- Worked with GitHub CI/CD pipelines to streamline deployments and enhance team efficiency, reducing release time and ensuring smoother delivery
- Supported deployment workflows and server configuration in Linux environments
- Contributed to multiple successful project launches, improving operational processes and enabling businesses to grow online

#### Junior Software Engineer

May 2024 – Apr. 2025

Skylark Soft Limited (Dhaka, Bangladesh)

- Designed and implemented ERP and RMG (Ready-Made Garment) software tailored to the specific operational needs of the garment industry
- Built, enhanced, and troubleshoot key features in high-stakes environments, ensuring reliability and scalability of core business processes
- Managed complex and dynamic data models with Laravel and MySQL, while delivering intuitive user interfaces using Vue.js and Bootstrap
- Applied Docker for consistent development environments and GitLab for efficient version control, enabling smooth collaboration across the team
- Aligned development tasks with project milestones using an in-house project management tool (Deadline), ensuring timely and successful delivery

### Projects

#### Cloud-Native CI/CD Pipeline with Kubernetes (DevOps Project)

(MSc Coursework Project)

Tech: Git, Docker, Jenkins, Kubernetes, Nginx

- Designed and implemented a complete CI/CD pipeline to automate application build, test, and deployment

- Built Docker images and pushed to container registry
- Created Jenkins pipeline with stages: code pull → build → push → deploy
- Deployed application to Kubernetes cluster using Deployment and Service YAMLS
- Configured rolling updates, replicas, and resource limits for scalability
- Verified deployment using Kubernetes CLI (kubectl)

## **Bangla B2B-B2C – A Digital Marketplace**

[Live Link](#)

*Tech: HTML, CSS, JavaScript, PHP, Laravel, React.js, Inertia.js, MySQL, Docker, Git*

- Developed a scalable digital marketplace supporting both B2B and B2C models, enabling businesses and customers to connect seamlessly
- Built responsive front-end features with React.js and Inertia.js, ensuring smooth navigation and a modern user experience
- Implemented secure backend services in Laravel and MySQL to handle products, orders, and user management efficiently
- Collaborated with the team using GitHub for version control, ensuring clean workflows and faster delivery of new features
- Applied knowledge of Docker and cloud deployment concepts (AWS EC2) to understand scalable application environments
- Gained hands-on experience with CI/CD pipelines by managing server-side deployments, editing configs via Vim, and executing commands to keep releases running smoothly

## Technical Skills

**Programming:** Python, PHP, SQL, JavaScript, HTML/CSS

**Frameworks:** FastAPI, Laravel, React.js, Vue.js

**Databases:** MySQL, PostgreSQL

**Version Control:** Git (GitHub, GitLab), Branching Strategies

**Cloud & DevOps:** Docker, Kubernetes, Jenkins, CI/CD Pipelines, AWS EC2

**Tools & Platforms:** Linux, Postman, Nginx, Vim

**Core Areas:** Backend Development, API Design, Containerization, Cloud Deployment, System Design

## Awards

**Academic Honors - Magna Cum Laude (Silver Medal)** (American International University-Bangladesh)

Recognized for outstanding academic performance, achieving a cumulative GPA of 3.85/4.00. Magna Cum Laude (Silver Medal) distinction is awarded to students ranking among the top percentage of their graduating class for exceptional scholastic achievement.

**Dean's Honor List Award** (American International University-Bangladesh)

Three times awarded for maintaining an average CGPA of more than 3.75 out of 4.00 in three semesters