

Md. Mahajurul Karim

Senior Software Engineer | Backend Developer | DevOps-Aware
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SUMMARY

Backend Web Developer with 6+ years of experience in PHP (Laravel/CodeIgniter), Python and backend development. Strong knowledge in system design (HLD/LLD), design patterns and SOLID principles. Experienced in DevOps (Docker, GitHub Actions), CI/CD, and cloud platforms (Digital Ocean, AWS, Heroku). Led agile teams in delivering healthcare, fintech, OTA, and gov-tech solutions for global clients. Fluent in English and actively seeking senior-level opportunities in international, remote-friendly teams.

KEY SKILLS

Languages & Frameworks: PHP:Laravel, CodeIgniter, Python:FastAPI, Bootstrap5, Tailwind CSS Databases & Tools: MySQL/MariaDB/MSSQL, MongoDB, PostgreSQL,TablePlus Frontend & Data Visualization: ReactJS, D3.js, LeafletJS System Design & Architecture: Monolithic, Microservices, SDLC, HLD, LLD, TDD	DevOps & Deployment: Docker, Git, GitHub Actions, Digital Ocean, AWS (EC2, S3), GCP , Heroku, NGINX, Apache Testing & QA: Feature Test/Unit Test, Selenium, PHPUnit Version Control & PM: JIRA, Git, Bitbucket, Trello Others: Team Leadership, Monolithic, Microservices, Agile/Scrum/Kanbang Methodologies
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EXPERIENCE

Senior Software Engineer

Adventure Dhaka Ltd.

Nov. 2024- Present

Banani, Dhaka

- Contributed to [Skyticket](#) and bus service [Bus](#), Japan's largest OTA platform Adventure Inc.
- Take ownership of bug fixing, performance optimization, and production issue resolution to ensure system stability.

Senior Software Engineer

a2i (Ekshop)

June 2022- Oct. 2024

Dhaka, Bangladesh

- Under ekShop, a2i program, ICT division by Aspire, I have played a pivotal role in the development of various high impact projects. Throughout my tenure, I have been delivering Toll [Dukaanye](#), Management System, LMS and Ecommerce.

Software Engineer

Qubit Solutions Lab

Jan 2020- May. 2022

Dhaka, Bangladesh

- Designed and customized web applications for projects like Bangabandhu Military Museum, AdmissionTrack, Deshi Hut, and Chorki Invitation.
- Documented software architecture and design for maintainability and team collaboration.Provided technical support and assisted in resolving software issues during development and deployment.

- Developed web applications from scratch, including a license management system for Khagrachari Pourashava.
- Learned to analyze requirements and build scalable databases to support application functionality

KEY PROJECTS

Dukaanye – Digital Marketplace (South Sudan) *Laravel + Bootstrap + Docker | MySQL | Digital Ocean | E-commerce*

- Built and customized a multi-vendor e-commerce platform, enabling local entrepreneurs to sell products online.
- Designed microservices architecture and implemented CI/CD with Docker reduced environment setup time for developers from 1 day to under 1 hour
- Used by South Sudan local entrepreneurs to sell products online

South Sudan Relief and Rehabilitation Commission (RRC) *Laravel | D3js, LeafletJS | MySQL | Aid Distribution Analytics*

- Built a government monitoring portal providing real-time information and support for internally displaced persons and cross-border migrants.
- Integrated real-time data visualizations with Power BI, D3 and LeafletJS for monitoring dashboards and tools to track population displacement and aid distribution
- Integrate Fingerprint based verification system.

Bangabandhu Military Museum – National Military History Portal (Bangladesh) *Laravel | MySQL-Redis | Docker | Queues & Events | DigitalOcean*

- Developed and launched an official digital platform for the Bangladesh Armed Forces, offering public access to military history, artifacts, and exhibits.
- Integrated secure online ticketing and visitor management systems, supporting various payment methods including bKash, Rocket, and Visa.

Admission Track – Digital University Admission Platform *Laravel | React | DigitalOcean | MySQL | Local Payment API*

- Developed a comprehensive digital platform facilitating university admissions in Bangladesh and abroad.
- Implemented features for university and course exploration, application submission, and scholarship opportunities.

Chorki Invitation – Event Management Platform (Bangladesh) *Laravel | Bootstrap | MySQL | Docker | DigitalOcean | Invitation Management System*

- Developed an exclusive event invitation platform for Chorki's, implemented features for RSVP management, guest list tracking, and real-time event updates.
- Integrated secure login and personalized invitation features for VIP guests and subscribers.

EDUCATION

Bachelor of Science in Computer Science and Engineering
Daffodil International University

2012-2016
Dhaka, Bangladesh

CERTIFICATION

GCP Essentials -> [Link](#)
Cloudskillsboost Google

2018