

MD. ABIR HASAN KHAN

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Software and game developer with expertise in full-stack development, game design, and emerging technologies. Skilled in building applications from scratch, transforming manual workflows into automated systems, and delivering production-grade solutions. Passionate about continuous learning, creativity, and driving organizational success.

Experience

MARCH 2025 – AUGUST 2025

Liveincodes | Software Engineer | Full-time

- Contributing to the Software Development Department in a fully remote capacity.
- Built and deployed **production-grade web applications** for clients and internal platforms.
- Key projects delivered:
 - **Rickshawandco.com** – Restaurant website built with **Nuxt.js, Tailwind CSS, Sanity CMS**, deployed on **DigitalOcean**.
 - **Rajaranirestaurant.com** – Restaurant website with **Nuxt.js, Tailwind CSS, Sanity CMS**, optimized for performance and **SEO**, deployed on **DigitalOcean**.
 - **AmarReview** – Fullstack **PWA application** with frontend, backend, and admin panel built in **Nuxt.js + Tailwind**, using **Supabase**, deployed on **DigitalOcean**.
- **Took end-to-end ownership** of features: design, development, deployment, and optimization for scalability and performance.
- Collaborated with cross-functional teams while managing **independent modules** in production environments.
- Followed **agile practices, Git workflows, and CI/CD pipelines** to ensure smooth, reliable releases.

DECEMBER 2024 – MARCH 2025

Crystal Composite Ltd | Software Engineer | Full-time

- **Solely engineered** the company's first **in-house Dyeing ERP system**, replacing manual Excel workflows with an automated solution.
- Conducted **requirement engineering** by interviewing staff and factory workers, documenting workflows, and designing specifications.

- Built the **database architecture** from scratch (PostgreSQL + Drizzle ORM).
- Developed and deployed the **full-stack ERP system** (Node.js, Express, React, Chakra UI) on a VPS.
- Delivered an **Alpha version** that already improved process tracking, accuracy, and efficiency.
- Owned the **entire SDLC** from planning to deployment.

Skills & Technologies

- **Programming Languages:** Java, C, C++, C#, JavaScript, TypeScript, Python, PHP
- **Development Platforms & Tools:** Unity, Android, XML
- **Databases:** PostgreSQL, MySQL, Supabase, NoSQL
- **Web Technologies:** ReactJS, VueJS, Nuxt.js, NodeJS
- **Version Control & Deployment:** GitHub, Docker, CI/CD Pipelines, DigitalOcean

Education

2019 - 2024

Bachelor of Science in Computer Science and Engineering | East West University | Aftabnagar, Dhaka

3.06 CGPA

2016-2018

Higher Secondary Certificate (Science) | Govt. Science College | Tejgaon, Dhaka

3.08 GPA

2016

Secondary School Certificate (Science) | Banani Bidyaniketan School & College | Banani, Dhaka

5.00 GPA

Certifications

Project Showcasing Competition - Issued by East West University | April 2024

Research & Publications

Social Gatherings Through Virtual Reality (VR) | January 2024 | East West University

This study investigates how Virtual Reality (VR) enhances social interactions through immersive environments that redefine human connections, emphasizing the technology's design, implementation, and impact on social behavior in the digital age.

Projects

Social Gatherings Through VR App

- Developed a VR application to enhance social interactions by overcoming physical and geographical barriers.
- Designed immersive virtual environments for users to connect, communicate, and collaborate in real-time.
- Integrated interactive features to simulate real-world social experiences within a virtual space.

BloodPlus Android

- Built a mobile application that connects blood donors and recipients during emergencies.
- Implemented Firebase for user authentication and data storage, ensuring secure and real-time access.
- Integrated SQLite for offline data management and provided health tips to enhance user engagement.

EWU Book Buy & Sell Webapp

- Created a secure online marketplace for East West University students to buy and sell used books.
- Developed features for account registration, verification, and book management.
- Ensured a smooth and secure transaction process within the platform.

Capstone Management System Webapp

- Engineered a web-based system to streamline the management of capstone projects at East West University.
- Enabled student registration, group formation, and faculty monitoring for project progress and grading.
- Provided an administrative panel for project allocation, grading, and progress tracking.

Languages

- English: Business Proficiency
- Bangla: Native