MD. ABIR HASAN KHAN

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A highly motivated and passionate software and game developer with expertise in full-stack development, game design, and emerging technologies. Eager to contribute to a forward-thinking team where I can leverage my skills to deliver innovative solutions. Committed to continuous learning and personal growth, I aim to drive organizational success by creating impactful applications that enhance user experiences and meet business objectives. Looking to grow within a dynamic environment where my technical expertise, creativity, and drive for excellence can make a meaningful contribution.

Experience

MARCH 2025 – PRESENT

Liveincodes | Software Engineer | Full-time

- Contributing to the Software Development Department in a fully remote capacity.
- Writing clean, maintainable code and collaborating with cross-functional teams under the direction of a team lead.
- Following company policies and agile practices to deliver high-quality software solutions.
- Adhering to strict confidentiality and professional conduct standards.

DECEMBER 2024 – MARCH 2025

Crystal Composite Ltd | Software Engineer | Full-time

- Led the development of a Dyeing ERP system to optimize factory process tracking and operational efficiency.
- Spearheaded backend development using **Node.js**, **Express**, and **Drizzle ORM** with **PostgreSQL**.
- Architected and implemented the frontend using **React** and **Chakra UI** for a seamless, responsive user experience.
- Managed and deployed the database on **Neon.tech**, ensuring scalability and high availability.
- Deployed the full-stack application on a **VPS server** with an emphasis on performance and security.
- Oversaw the entire software development lifecycle from planning to production deployment.

- Acted as a **team lead**, making critical technical decisions and mentoring junior developers.

Skills & Technologies

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

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

3.03 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.

Event Management Android

- Developed an Android application for efficient event and schedule management.
- Enabled users to create, organize, and track events, set reminders, and share schedules for better coordination.
- Designed an intuitive user interface to enhance usability and accessibility.

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.

Sky Shooter

- Designed and developed a fast-paced Sky Shooter game in Java.
- Implemented dynamic gameplay mechanics, including obstacle avoidance and enemy combat.
- Integrated power-ups to enhance player experience and engagement.

Languages

- English: Business Proficiency
- Bangla: Native