

Md. Kazi Iqbal Hossen

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About Me

Computer Science graduate from GSTU. Fullstack Web Programmer who writes codes in React and Django. Proficient at developing and delivering RESTful APIs, ensuring site's data security and application's scalability. Experienced Software Engineer with a demonstrated history of working in the software industry.

Quick Guide

- Each section title is arbitrary and each section contains a list of entries.
- There are 7 unique entry types: *BulletEntry*, *TextEntry*, *EducationEntry*, *ExperienceEntry*, *NormalEntry*, *PublicationEntry*, and *OneLineEntry*.
- Select a section title, pick an entry type, and start writing your section!
- Here, you can find a comprehensive user guide for RenderCV.

Education

University of Pennsylvania, BS in Computer Science

Sept 2000 – May 2005

- GPA: 3.9/4.0 (a link to somewhere)
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

Experience

Backend Lead, GameBD – Banani, Dhaka

Jan 2025 – Present

- Led to the development of a scalable backend architecture using Django and PostgreSQL.
- Designed the database schemas and implemented Django models that ensures efficient SQL queries.
- Delivered RESTful APIs along with 2FA (Email), JWT (Auth), SHA512 (Password) and OAuth2 (Google).
- Collaborated with frontend developers to integrate backend services, ensuring seamless data flow and eliminating unnecessary API calls.
- Optimized database queries and indexing strategies, resulting in low latency and high throughput.
- Mentored junior developers, fostering a collaborative team environment and promoting best coding practices (SOLID, OOP, Design Patterns).

Augmented Reality Engineer, Next Solution Lab – Mirpur DOHS, Dhaka

Dec 2024 – Jan 2025

- Developed an AR mobile application using React Native and SnapAR SDK that overlays 3D shoe models onto real-world environments.
- Use SnapAR's object recognition capabilities to trigger AR experiences on Fashion products.
- Design and develop snap lenses that provides real world fashion try-on experiences.

Backend Developer, Techforing Ltd. – Baridhara DOHS, Dhaka

Aug 2024 – Nov 2024

- Optimized and maintained existing HRMS backend built with Django and MySQL.
- Implemented KPI tracking and reporting features for different departments.
- Designed systems to convert monolithic architecture into microservices using Redis, FastAPI, Celery and Docker.

Publications

3D Finite Element Analysis of No-Insulation Coils

Jan 2004

Frodo Baggins, *John Doe*, Samwise Gamgee

10.1109/TASC.2023.3340648

Projects

Multi-User Drawing Tool

github.com/name/repo

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

Synchronized Desktop Calendar

github.com/name/repo

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System

2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder