Kazi Ehsanul Mubin

Software Engineer

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⚙ Skills

Backend Development: NestJS · Node.js · Express.js · ASP.NET Core & EF Core · JWT

Frontend Development: React.js · Next.js · Redux Toolkit & RTK Query · Chakra UI · Tailwind & Shade/cn

Languages: JavaScript & TypeScript · C# · Python

Databases: mongoDB · PostgreSQL & Prisma · MySQL

Tools: Vercel · Git · GitHub · Heroku · NPM · AWS S3

Miscellaneous: Data Structures · Algorithms · OOP · Functional Programming · Computer Vision · Teaching

💼 Experience

Zolo Inc
Software Engineer

June 2024 – Present
Dhaka, BD

> Implemented new front-end and back-end, business logic, and DB management.
> Ensured seamless integration between back-end services and front-end UI, while maintaining code quality and performance.

Thinkcrypt.io
Software Engineer

Feb 2024 – May 2024
Dhaka, BD

> Developed, deployed, and maintained web applications, while improving the company's coding rulebook and practices.
> Worked on single and multi-vendor e-commerce applications, flight and ticketing systems, POS and inventory management, CMS, and ERP solutions.
> Acted as team lead for a team of four junior developers, ensuring efficient task distribution, maintaining projects, modularization, and mentorship to foster their growth.

Jr. Software Engineer

Jun 2023 – Jan 2024

> Developed both front-end and back-end aspects of web applications using Next.js, NestJS, and Express.js.
> Worked on diverse features, including improving and extending existing codebases, and undertaking new project development from inception.
> Collaborated directly with the CEO and principal engineer to learn about SDLC, modularization, and apply DRY & SOLID principles.

happycoders.io
Coding Instructor

Jun 2020 – May 2023
Dhaka, BD

> Taught Python, Java, and Scratch programming, fostering a strong foundation in programming concepts for K2-K12 students in Bangladesh and abroad.
> Taught over 100+ students.
> Engaged in several freelancing projects with small to medium scopes of responsibility, gaining hands-on development experience.

🎓 Education

Brac University
BSc in Computer Science and Engineering, GPA: 3.66 out of 4.00

2018 – 2022
Dhaka, BD

</> Projects

ShohozAir Backend (Express.js | MySQL and Sequelize | Joi)   **Production**
* Integrated third-party flight API services
* Developed advanced flights data filtering, and dynamic markup system and payment pipeline, as well as flight, booking, rescheduling and payment system.
* Used functional programming and unit tests in crucial features.

Dokan - A Shopify Inspired Ecommerce (Nest.js | Next.js | Shade/cn)   **GitHub..**
* A Shopify inspired SAAS system, currently in development.
* Unified backend to support subscription, inventory and pos systems.
* Each e-commerce will have its own individual users, customers, product and e-commerce frontend application
* Goals: E-commerce tool, client websites for e-commerce, admin dashboard for s tores

Bazar365.com (Next.js | Chakra UI | Framer Motion)   **Production**
* Implemented universal dark mode throughout the website
* Integrated third party backend such as Magento, Odo and important features such as SSLCommerz
* Integrated monitoring tool such as sentry, testing framework cypress,

Problem Solving (**LeetCode** | **HackerRank**)
* Consistently solved numerous problems on these platforms, showcasing strong analytical and coding skills
* Developed expertise in various topics, including hashmaps, data structures, and arrays, through tackling a wide range of problems

🔍 Research

A Comparative Study of Machine Learning Classifiers for Speaker's Accent Recognition   07-10 Jun 2023
IEEE World AI IoT Congress 2023 (IEEE-AIIoT 2023)
* Worked under the supervision of **Md. Golam Rabiul Alam, Ph.D.** and **Md Tanzim Reza** to create a comparative study on recognizing speaker's accent by using neural network and signal processing.

Decentralized Federated Learning and Deep Learning Leveraging XAI-Based Approach to Classify Colorectal Cancer   16-19 Dec 2022
Undergraduate Thesis, The 9th IEEE Asia-Pacific Conference on Computer Science and Data Engineering 2022 (IEEE-CSDE 2022)
* Worked along with **Junayed Rahman** and under the supervision of **Asst. Professor Md. Ashraful Alam, PhD** to study the feasibility of a decentralized and distributed approach to train CNN models to classify and detect tissue anomalies to detect cancer

🏆 Awards & Achievements

Academic Distinction
BRAC University   *Jan 2018 – Dec 2022*
* 2 x VC's List and 3 x Dean's List

VC's Certificate   Dec 2018
BRAC University, Issued by S.N. Kairy
* Based on semester GPA and discipline, students are placed on VC's List, published based on the residential semester, in recognition of an undergraduate's outstanding academic performance.