Badhon Nath Joy

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Career Objective:

A dedicated and versatile Software Engineer and Full-Stack Developer seeking opportunities to leverage expertise in designing, developing, and deploying innovative and scalable applications. Committed to delivering high-quality solutions that enhance user experiences and drive business success, while continuously expanding technical knowledge and contributing to a collaborative team environment.

Educational Background:

Bachelor of Computer Science and Engineering, *American International University-Bangladesh*   2020-2023
- Major: Software Engineering
- CGPA: 3.93

Work Experience:

Associate Software Engineer   May 2023-Nov 2024
Brain Station-23 | Dhaka, Bangladesh
- Designed, developed, and deployed dynamic, scalable web applications using the MERN stack (MongoDB, Express.js, React, Node.js).
- Built RESTful APIs to enable seamless communication between the frontend and backend systems.
- Enhanced user interfaces with React, ensuring responsive design and excellent user experience.
- Managed database operations using MongoDB, including schema design and query optimization.
- Collaborated in agile teams to deliver high-quality software solutions on time.
- Debugged and optimized applications for performance, reliability, and scalability.

Tools & Technologies: MERN stack (MongoDB, Express.js, React, Node.js), Redux, Tailwind CSS, Git, GitHub, Postman.

Skills:

Programming Languages: TypeScript, JavaScript, Python, C++, C#
Frontend Development: React, Next.js, HTML, CSS, Tailwind CSS
Backend Development: Node.js, Express.js, Nest.js, REST APIs
Database Management: MongoDB, PostgreSQL, Mongoose, TypeORM
Tools & Platforms: Git, GitHub, Firebase, Docker, Postman
Other Skills: Responsive Design, State Management (Redux), Authentication (NextAuth), Unit Testing

Projects:

CognitGem, Live | Source   Sept 2024-Sept 2024
- Built a generative AI chatbot capable of creating unique and engaging text outputs.
- Secured user authentication and session management with NextAuth.
- Developed a responsive and modern UI using Tailwind CSS and Shadcn UI.
- Leveraged Next.js and Express.js for seamless frontend-backend integration.
- Designed and consumed REST APIs for real-time functionality.
- Utilized MongoDB and Mongoose for efficient data storage and querying.

Technologies Used: Next.js, Express.js, NextAuth, JavaScript, REST API, MongoDB, Mongoose, Tailwind CSS, Shadcn UI.

JobNest, Source   Mar 2024-Apr 2024
- Developed a web platform connecting task sellers and freelance buyers for task posting, proposal submission, and payment processing using Stripe.
- Implemented JWT authentication, multi-tenant architecture, and AI chatbot for enhanced user experience.
- Integrated real-time chat and admin controls for user and job management.
- Created Postman collections and Swagger docs for API testing and documentation.
- Utilized Docker for consistent development and deployment, and Tailwind CSS for responsive UI.

Technologies Used: Nest.js, Next.js, PostgreSQL, TypeORM, REST API, Postman, Swagger, Docker, TypeScript, Tailwind CSS

Faculty Course Allocation, [Source](#)   Nov 2023-Dec 2023
- Developed an automated system for assigning courses to faculty, streamlining the allocation process.
- Built an intuitive user interface for administrators to manage course assignments and faculty details.
- Implemented dynamic course assignment logic using PHP and MySQLi for efficient data management.
- Created a responsive and user-friendly front-end using HTML, CSS, Bootstrap, and JavaScript.
- Ensured seamless interactions between administrators and faculty members for smooth course allocation and management.

Technologies Used: PHP, MySQLi, HTML, CSS, Bootstrap, JavaScript

Honors & Awards:

- **Dean's List Honors** | *American International University-Bangladesh*
  Fall 2023 & Spring 2023
  Recognized for outstanding academic performance and excellence by being named to the Dean's List.

Extracurricular Activities:

General Member, **AIUB Computer Club**
- Participated in club activities and events, fostering teamwork and collaboration among peers.
- Engaged in technology-related workshops and seminars, enhancing technical skills.
- Contributed to club initiatives and projects, gaining hands-on experience in software development.

Personal Interests:

- **Technology & Innovation:** Staying updated with the latest in software development, AI, and emerging tech trends.
- **Travel:** Exploring new cultures and destinations to broaden personal experiences.
- **Photography:** Capturing moments and expressing creativity through photography.

References:

- Md Kamol Hasan
  Senior Software Engineer,
  EarnIn,
  Bangkok, Thailand
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- Md. Al-Amin
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  Deepchain Labs,
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