Zayed Hasan

SOFTWARE ENGINEER

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About me

Always eager to learn new things. Looking forward to have new experiences. Enthusiastic to solve problems and overcome challenges. Love travelling , reading books and watching movies. Always ready to enjoy the life.

EXPERIENCE

Streams Tech

Intern Developer   *June 2024 - October 2024*

I contributed to a fintech solution product, used by the main stakeholder Spendplan, a USA-based company. I utilized **ASP.NET** Framework, **Redis**, and **PostgreSQL** in the development process. My contributions included:

Cache Layer Database Update
- Contributed to the development and enhancement of a cache layer database on the server side to meet evolving product requirements.
- Developed features for a major update that involved creating a cache layer database to improve data retrieval and server performance.

Robust Testing Suite Development
- Developed a robust testing suite to improve code reliability and ensure stable software performance
- Wrote unit and integration tests, specifically focusing on server-side functionality to catch edge cases and bugs early in the development process.
- Integrated automated testing into the CI/CD pipeline via a GitHub Actions file, significantly boosting testing efficiency.

Code Refactoring and Debugging
- Refactored code and debugged server-side functionality to optimize performance and maintainability.
- Applied clean code principles and design patterns, ensuring code readability and scalability.

SKILLS

Programming	C, C++, C sharp, JavaScript, Java, Python, SQL
Development Backend	JavaScript, PHP, NodeJS
Development frontend	ejs, HTML, ReactJS, AngularJs
Database	Oracle, MongoDB, Graph Database NEO4j, MySQL, Redis, PostgreSql
DevOps	Microsoft Azure
Tools, Libraries and Frameworks	Git, OpenCV, JUnit, Jest, Asp .Net, Spring Boot, NextJs
Problem Solving	Solved coding problems on Codeforces and Leetcode
Others	Jira, Trello, Github Actions

EDUCATION

Islamic University of Technology
BSc in Software Engineering
Year 2021 - current
- CGPA 3.70 out of 4.00

PROJECTS

Expense Management
C sharp, Asp .Net, Entity Framework, AngularJs, PostgreSql
Github Link
Streams Tech Ltd
- All-in-one web platform enabling streamlined property purchase, sale, rental, and leasing processes
- Efficient property search with detailed filters and criteria

InternConnect
MongoDB, ExpressJS, ReactJS, NodeJs, netlify
Project Link Github Link
Islamic University of Technology
- Web Application streamlining the Internship Management System simplifying application processes and placements for students at IUT.

Class Booking System
PHP, HTML, CSS, MySQL
Github Link
Islamic University of Technology
- Web-based Classroom Booking System simplifying scheduling, locating available classrooms, and allocating spaces for classes and quizzes.

Image Filter
C sharp, .Net, OpenCV
Github Link
Self-study and skill enhancement.
- Image filtering program for Windows offering rotation, flipping, brightness, contrast adjustments, and different effects.
- Face detection feature within images

DeaLIT
MongoDB, ExpressJS, ReactJS, NodeJs
Github Link
Islamic University of Technology
- E-commerce platform offering advanced features for product exchange, renting, and trading opportunities.
- Integrated chat feature for enhanced user interaction