BILAL SYED

FULL-STACK SOFTWARE DEVELOPER

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ABOUT ME

Upcoming graduate from the Milwaukee School of Engineering. Experienced working on all sides of software from front-end web applications to low-level embedded systems. Over 5 years of work experience in industry.

EDUCATION

Milwaukee School Of Engineering

Bachelor of Software Engineering
Minor in Mathematics

3.8/4 GPA

EXPERTISE

SQL and MongoDB

C, C++, C#, Java, Python, and Visual Basic

HTML, CSS, Javascript, React.js and Vue.js

OOP design patterns and test-driven development

Agile development processes such as Scrum and Kanban

Git and TFS

EXPERIENCE

Software Developer Intern — Nov 2017 - Present

IIT/SourceTech

Designed and implemented various features for existing web and Winform applications in a .NET environment. Used a combination of database development, as well as back-end and front-end programming skills to create front-to-back features. Worked in a kanban-based development environment and followed test-driven design principles and object-oriented design patterns to develop clean and efficient code. Worked and communicated with other software developers regularly and mentored lower-level interns.

LANGUAGES

- English
- Urdu
- Hindi

INTERESTS

- Volleyball
- Weightlifting
- Learning new languages

PROJECTS

Modem Activated Warning System

Sep 2022 - May 2023

Created a proof-of-concept for a modem-activated warning system that would run on microcontrollers using no more than 200mW of power and allow them to communicate with one another over cellular data as a senior design project with a partnership from TAPCO Inc. This project will then be used by TAPCO to allow their smart roadsigns to communicate from input sensors from a farther distance. This system is currently still in progress and is being created in C++ which will be cross-compiled and built onto the microcontrollers.

Semester Transition Advising Tool

Nov 2021 - May 2022

The Semester Transition Advising Tool (STAT) is a project that was created to assist MSOE advisors to generate transition plans for students who will be switching to MSOE's new semester-based course system from their original trimester-based system. This application was developed using HTML, CSS, and JavaScript as a React.js app and was hosted using GitHub pages.