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 3 years of work experience in industry internships.

EDUCATION

Milwaukee School Of Engineering

Bachelor of Software Engineering
Minor in Mathematics

3.74/4 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 utilizing interrupts and sleep modes to save power and allow them to communicate with one another over cellular data. This was done as my senior design project with collaboration from TAPCO inc. On completion, this project will 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 flashed 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.