Josh Bell

SOFTWARE ENGINEER

FULL NAME Joshua Bell

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PHONE (616) 287-3140

WEBSITE https://jbbe.github.io/

Skills

Typescript Javascript Rust C# Dotnet Ecosystem node.js OCaml CSS SCSS HTML Python WASM
webgl MsSQL React Electron Entity Framework Core three.js WebXR Git Webpack
Redis Docker Azure Lerna Jest Blender New Relic

Work Experience

Software Engineer
6/2022 - Present
Towbook / Extric LLC

St Clair, MI
- *Maintained and enhanced the Towbook web app, api, core libraries, and background services written in **C#** along with **Javascript**, with a focus on debugging and modernizing legacy code to take advantage of features available in more recent versions of **C#** and **.NET***
- *Introduced integration testing for core api functionality using **Typescript** with **Vitest***

Software Engineer
6/2020 - 5/2022
Th3rdcoast Digital Solutions

Grand Haven, MI
- Developed a collection of tools for 3D experience editing and content management
- Designed and implemented web tools with **Typescript**, **React**, **three.js** and browser APIs, contributed to an API with **C#** and **ASP.NET Core**, and built smaller **node.js** driven services for content processing
- Managed **Azure** cloud deployments for multiple projects
- Created one off 3D experiences for the web some including AR elements using **three.js**, **Blender** and custom tools
- Implemented the **React** front end of an **Electron** app for recording and managing EEG readings
- Trained and mentored new developers

Help Desk Manager & Developer
07/2018 - 5/2020
University of Michigan, CAEN

Ann Arbor, MI
- Developed a **Python GTK** based desktop application for information gathering during issue reporting
- Provided help desk support by answering questions, escalating issues, managing accounts,testing software, and writing documentation
- Trained and managed student employees
- Processed and analyzed system usage data with **Python**

Education

University of Michigan Coursera Courses
2018 - 2020
Applied Data Science for Python, Machine Learning, & Text Mining
Online
University of Michigan
2015 -2020
BS in Computer Science
Ann Arbor, MI