ETHAN FREGIEN

PHONE: (715)-584-2410 | EMAIL: ETHANFREGIEN@GMAIL.COM |MIDDLETON, WI (WILLING TO RELOCATE)
LINKEDIN: ETHAN-FREGIEN | GITHUB: /ETHANFREGIEN2233 | PORTFOLIO: ETHANFREGIEN.COM

INTRODUCTION

Software Engineer with professional experience focused in full-stack development in .NET, React.js, Javascript and SQL Server. Experienced in working with clients to create impactful and practical business applications. Always have a strong desire and ability to learn new and upcoming technologies. Applications worked on include projects for all sides of the business. Payroll, accounting, engineering, sales and operations are departments I have worked with closely.

EXPERIENCE

CLEARY BUILDING CORP (VERONA, WI)

Software Engineer

- Full lifecycle application development in the Microsoft .NET stack
- Created and maintained stored procedures and tables in SQL Server
- Designed, coded and debugged company ERP system in various software languages as well as public facing application development.
- Software analysis, code analysis, requirements analysis, software review, identification of code metrics, system risk analysis, software reliability analysis

NATIONAL GUARD (MADISON, WI)

15F Aircraft Electrician

- Diagnosed and troubleshooted malfunctions in electrical and electronic components within government aircraft.
- Successfully applied principles of electronics, hydrostatic motion, and hydraulics to repair aircraft instrument systems.
- Effectively worked with an aircraft team of 3 or more to ensure all aircraft components met safety regulations

SKILLS AT A GLANCE

- .NET Stack
- Azure
- SQL Server
- React.js
- API integration
- GitHub
- Node.js
- jQuery
- JavaScript
- Knockout.js
- OOP
- MVC
- MVVM
- CSS
- Telerik
- HTML

PROFESSIONAL PROJECTS

CLEARY BUILDING COLORIZER

https://myclearybuilding.com/colorizer/

- Summary: A public facing application made for testing different colours on Cleary Building products before buying.
- Role: I was the sole developer on the front end. I had to learn and implement Knockout.js on a tight schedule while also conducting meetings on continuously evolving business requirements. I also worked on back-end logic involving object structuring, set up the Azure build pipeline, created all data access layers for the SQL tables and participated in back-end bug fixing.
- Tools: .Net Stack, Knockout.js, mySQL, Bootstrap, Azure DevOps

WEATHER DAY PAYROLL PROJECT

Project for Cleary Building Corp.

- Summary: An internal application made for allowing branches to declare weather days (days when certain business branches would close) and give the capability for their construction workers to request weather days.
- Role: I was the sole developer on the entire project which was mostly new development. It included constant communication with the business to define the business needs and estimate development timelines. Due to the ambiguous nature of the requirements when the project was first presented to me, I had to problem solve and analyze issues with the project while explaining the technical issues to non-technical assets of the business. The project included creating an entire new paycode for employees with integration into payroll accounting services, new development for an admin screen to declare weather days and creating an upload module that payroll could upload excel sheets of employees weather hours and translate and store that data into SQL server. There was integration of this data into the employee time-clock where time punches occurred which would then be displayed in an entire new module for employees to track their weather usage and take weather days with procedures laid forth by the business. I managed this project and all version control within Azure.

- Tools: .NET Stack, Azure

SEMI DRIVERS PAYROLL PROJECT

Project for Cleary Building Corp.

- Summary: An internal application to track, manage and revise Semi truck drivers hours and payroll to be regulated by the DOT
- Role: I was the sole developer on the project which was all new development. I participated in all stages of requirement gathering. The project included creating new software to track and revise semi-truck driver's hours before exporting them to a payroll batch file. Due to the semi-drivers hours being subject to being regulated by the DOT, the project was high stakes with no room for error. This project was integrated and deployed into our existing internal ERP system and our version control was managed in Azure.
- Tools: .NET Stack, Azure

FARMING COMPANY WEBSITE

Project for a farming company (freelance work in progress)

- Summary: A single page application made using React.js and tailwind.css for a farming company based in California.
- Role: This is a freelance project and as such, I am the sole developer on it. This website is being made with a mobile-first approach with a high emphasis on front-end design.
- Tools: React.js, tailwind.css, getform API

ACADEMIC PROJECTS

THE RAFFLER

ethanfregien2233/the-raffler |

- Summary: A MERN application designed to host raffle giveaways
- Role: Front end react design
- Tools: MongoDB, Express, React, Node, CSS, GraphQL

CODE QUIZ

ethanfregien2233/code-quiz |

- Summary: A timed JavaScript quiz application to test users' knowledge in coding
- Role: Sole author
- Tools: HTML, CSS, JavaScript

REEL ROULETTE

ethanfregien2233/reel-roulette |

- Summary: A JavaScript application for generating random movie suggestions and trailers
- Role: Front end design, YouTube API implementation
- Tools: HTML, CSS, JavaScript, YouTube API, Movie DB API

EDUCATION

UNIVERSITY OF WISCONSIN MADISON, WI

Certificate, Full Stack Web Development; Graduated 2022

- A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, MVC, Node Js, MySQL, Express.js, Handlebars.js & ReactJS.

COLLEGE OF MENOMINEE NATION (KESHENA, WI)

Associates, Biological & Physical Sciences; Graduated 2020