

# JULIAN PABLOFF

Full Stack Developer

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## PROJECTS

### Instaspam - React

A photo sharing website similar to Instagram in which users can upload images and like other people's images.

Technologies Used:

- **React:** used to make the app run on a single page, like Instagram
- **Node.js:** URL routing, data management, and database design
- **Express:** framework for communicating with the database
- **MongoDB:** image storage and user info, and relationships between the two

Other Features:

- Login and register page dynamically changes depending if the username entered exists in the database
- For file uploading we used Multer, and implemented drag and drop uploading

### Wedding Planner - C#/.NET

A website for creating wedding events. Users can create an account, add events, and RSVP.

Technologies Used:

- **.NET Framework:** used for all MVC (Models Views Contorllers) operations
- **Entity Framework:** database communication that utilizes C# object-oriented code
- **MySQL:** database design - many to many relationships and **CRUD** operations

Other Features:

- Implements login and registration

### BomberMan - Javascript

Inspired by a classic videogame, this app is a multiplayer game where you try to blow up the other players to win.

Technologies used:

- **Node.js:** server logic and managing players
- **Socket.io:** enables multiple users to connect to the server
- Implements **object-oriented programming** with separate classes for game logic, display, controllers, etc.
- Random item drops that modify player speed and bomb power

### Ratscrew - Javascript

A multiplayer card game application that mimics the game Egyptian Ratscrew. It supports 2 to 4 players and runs in the terminal.

- Made using **Node.js** and its console.log methods to dynamically move the cursor and draw the screen with high efficiency
- Implements **object-oriented programming** with separate classes for game rules, cards, players, controllers, and display
- Minimalist ASCII design with health bars to indicate how many cards you have
- Currently working on an online multiplayer system that utilizes TCP sockets

## SKILLS

### Languages

- Javascript
- Typescript
- Python
- C#
- SQL

### Front End

- React
- Angular
- HTML5
- CSS3
- Bootstrap
- jQuery
- Ajax

### Back End

- MySQL
- MongoDB
- Node.js
- PySpark
- Azure Databricks

### Libraries & Frameworks

- .NET Core
- ASP.NET
- Entity Framework
- Flask
- Django
- Express
- Mongoose

## SOFT SKILLS

- Collaboration
- Problem Solving
- Detail-oriented
- Adaptive Learner
- Teaching

## WORK EXPERIENCE

### **Full Stack Junior Software Developer (Full Time) - MacDonald Miller (Seattle, WA) // Jan 2021 - Present**

The purpose of this project was to create a web application that creates and manages estimates for construction jobs for the company. I worked on a small team with three other developers so I was able to play a bigger role than before in the design and development of the application.

#### **Angular, C#, SQL // MacCap**

- Utilized an **Agile workflow** and **Azure DevOps** features to stay organized and work efficiently
- Used my front end experience to greatly improve the visual look and user experience of key parts of the application
- Used my UX experience to make suggestions to the team about how to improve the logic and operation of features
- Learned more about SQL: how to make transactions, stored procedures, and do schema comparisons, for example

### **Full Stack Software Developer (Full Time) - Accenture (Redmond, WA) // Sept. 2020 - Dec. 2021**

This consulting job gave me exposure to many different projects and technologies. I was assigned to the Microsoft account and worked on various projects such as:

#### **Angular, Node.js, PostgreSQL // Digital Value Delivery**

- A Microsoft tool for creating Business Scenarios to estimate revenue for various industries and accounts
- Utilized my full stack experience to make improvements to the front end design, API logic, and database structure
- Created a dynamic filtering tool that changes its available selections based on the filtered content

#### **Angular, C#, SQL // ATOM Portal**

- Full stack web application for managing and visualizing Microsoft incident tickets, teams, and shifts
- Worked with front end, API, and back end code for various site improvements and new features

#### **PySpark, Azure Databricks // Microsoft Federal**

- Developed data reports for contract data
- Used PySpark to make complex queries and functions to satisfy data mapping requirements

#### **C#, Microsoft Bot Framework // Azure Chat Bot**

- Developed a chat bot that utilizes Azure Dev Ops APIs to help users create user stories
- Gained experience with Agile workflow, submitting code, and planning out sprints

## EDUCATION

### **Coding Dojo (Bellevue, WA)**

Received a Certificate of Completion in Full Stack Web Development as a result of over 1000 hours of studying three separate stacks and creating functional web applications.

### **Puyallup High School (Puyallup, WA)**

Took Advanced Placement courses in computer science, natural science, and math. Scored a perfect score on the final computer science AP Exam and received an A in the class. Graduated with a 3.00 overall GPA.