

Zachary Barovsky | Software Engineer

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As a Software Engineer with a background in psychology and social work, I am able to adapt to rapidly changing situations to best support coworkers and clients to visualize and achieve their goals through creative problem solving. Experience in JavaScript, TypeScript, Python, React, NodeJS and SQL dialects.

Skills

Languages: JavaScript, TypeScript, Python, HTML, CSS, SASS, Swift, C#

Frameworks & Libraries: React, React Native, Next, NodeJS, Express.js, Flask, Bootstrap, Mongoose, D3, Unity, Phaser.io, jQuery, JSON

Databases & Structures: SQL(PostgreSQL, SQLAlchemy), NoSQL(MongoDB), RESTful API's

Version Control & Testing: GIT, Github, Postman

Methodologies: Object Oriented Programming, Authentication, Agile/Scrum

Operating Systems: Windows(Powershell, Git Bash), MacOS, Linux Ubuntu

Projects

Dungeons and Dragons Encounter Tracker - Web application that allows users to create and save combat encounters for role playing games.

- Solo project built using JavaScript, Ejs, Express.js, PostgreSQL, and Bootstrap while querying the dungeons and dragons API.

Stay Inside - Social networking app that allows users to create and attend online events with friends

- Project lead, version control manager, and lead backend developer in group of four developers
- Built using JavaScript, React, MongoDB, Mongoose, Bootstrap

Help Wanted - Web application designed for users to search for teachers of various skills online to learn new skills online in one on one sessions.

- Project lead, version control manager, and full stack developer in group of four developers
- Built using Next, TypeScript, Bootstrap, MongoDB, and Stripe

Breaking Bread - Hackathon proof of concept where users read a relevant political article and then enter a one on one chat with a user with different political beliefs to find common ground on topics

- Project lead, version control manager, and full stack developer in group of three developers and four designers
- Built using JavaScript, Next, and Bootstrap

Cryptocurrency Converter - Web application where users can up to date exchange rates between top cryptocurrencies.

- Solo project utilizing JavaScript, React, and Coinpaprika API.

Bloom - Web application for users to track GKI levels over time.

- Project lead, version control manager, and front end developer in a group of four developers and four designers.
- Built using JavaScript, React,, SASS, and d3.js for graph visualization.

Coping Skills Generator - Web application for users to have quick access to coping skills.

- Web app is built using React with TypeScript, and SASS for styling.
- API of coping skills was created with Python and Flask, data was web scraped using Beautiful Soup pip package.

Experience

Freelance Web Development

03/2021 - Present

- Design, develop, and deploy websites for clients through both low code tools, and modern web frameworks such as React. Provided wireframes, and collaborated on UX design choices with clients.

Teaching Assistant, General Assembly

01/2021 - Present

- Assist current General Assembly Software Engineering Immersive students develop and further their understanding of technical skills taught during course through group and one-on-one sessions.
- Articulate complex problems for students in a clear and concise manner.
- Reinforce concepts in JavaScript, Python, HTML, CSS, frameworks such as React and NodeJS, and SQL and NoSQL databases, and more.

Case Manager, Sound

08/2017 - 05/2020

- Collaborated with a multidisciplinary team to manage a small group of clients, providing support with finances and medication adherence to reduce recidivism, and increase time maintaining housing amongst high risk populations frequently involved in the criminal justice system.

Education

Software Engineering Immersive, General Assembly

05/2020 - 08/2020

- Three-month, 500-hour full-time and full-stack program conducted in a remote setting, providing experience with the latest front- and back-end programming languages, tools, and methodologies including: HTML, CSS, SASS, JavaScript, TypeScript, Python, jQuery, JSON, PostgreSQL, Angular, MongoDB, NodeJS, React, GIT, Github, and Agile/Scrum.

BA Criminal Justice, emphasis on Forensic Psychology, Seattle University, Cum Laude **2017**

BA Psychology, Seattle University, Cum Laude **2017**

AA Behavioral Science, San Jose City College, Cum Laude **2014**