

MILES OWENS

(443) 979-3768 | milesowens.com | Austin, TX (Open to Relocate)

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TECHNICAL SKILLS

Languages: JavaScript, Java, Ruby, Python, HTML5, CSS3, SQL

Frameworks: React, Angular 9, TypeScript, Express (Node.js), Rails, Java Spring Boot, Jest, Mocha, JUnit, Capybara

Developer Tools: Vim, Git, npm, Webpack, Babel, Gradle, Redux, Scrum, TDD, PostgreSQL, MongoDB, MySQL

SOFTWARE ENGINEERING APPLICATIONS

Full-Stack Engineer | *Spotify Discovery* | React, Express, React-Native | [Link to GitHub](#) 2022
Streamlined music recommendation platform using Spotify's API

- Leveraged Spotify's API to create a tree of **recursive music recommendations**
- Employed **Express** framework to create an **interfacing back-end** between client and Spotify's services
- Re-factored web application into a React-Native mobile application for better user experience on **iOS and Android**

Full-Stack Engineer | *Atelier Web Store* | React, Express, PostgreSQL | [Link to GitHub](#) 2022
Mock online retail store following business requirement documentation and design specifications

- Utilized interfacing back-end to make use of **cookie-handling** and **multi-form parsing middle-ware**
- Re-designed back-end's API to **scale** and meet **thousands of requests per second**. Optimized service using efficient SQL queries and **load-balancing** application and database across different servers
- Decreased response time from **5000ms to 60ms**, and increased limit of **400 requests per second to over 1000**

Full-Stack Engineer | *Address Book* | Ruby on Rails, PostgreSQL | [Link to GitHub](#) 2022
Responsive address book application with an intuitive and non-cluttered design

- Applied knowledge of **MVC architecture**, RESTful APIs, and **OOP principles** to build an intuitive address book application
- Integrated custom-built **authentication** features to protect user data and prevent unauthorized access
- Implemented **responsive design**, providing users with a seamless experience across a large range of devices

Full-Stack Engineer | *Chipotle Schedule Generator* | Java | [Link to GitHub](#) 2017
Weekly schedule generator guaranteed to deploy necessary employees for each shift

- **83% reduction in time** taken to generate a schedule each week and enabled quick adjustments for unexpected changes
- **Serialized** list of employees to allow for **persistent data**
- Made use of **quick-sort sorting algorithm** to best handle scheduling of employees based on their availability

EDUCATION

Hack Reactor Galvanize
Certificate, Advanced Software Engineering December 2022
12-week software engineering immersive program with 1000+ hours of coding

University of Maryland College Park, MD
B.A. Philosophy, Linguistics May 2021
CMSC131 Object-Oriented Programming | **CMSC132** Data Structures | **MATH241** Calc III

EXPERIENCE

Freelance Web Developer Current
• Created a custom content management system for clients to easily update website content via an API
• Developed event handling functionality to track user activity and provide comprehensive site analytics to clients
• Ensured maximum security for client sites and their users by implementing a reverse-proxy to guarantee 100% of connections are via an encrypted channel

Assistant Kindergarten Teacher Austin, TX
Inside Outside School August 2021 - May 2022
• Communicated with parents and staff to provide timely and effective feedback on student progress
• Implemented learning activities that increased student engagement and improved their reading, writing, and math skills
• Achieved 100% on-time arrivals managing daily bus operations