Joshua Sparks
Junior Software Engineer

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A Full Stack Engineer with a background in the automotive industry. I loved my work as an Automotive Technician, but it was very hard on my body. Software Engineering seemed to be a perfect fit to employ my creative problem solving skills. I'm known as the guy everyone runs toward to solve their car problems, and as someone with a schtick for diagnosing and innovative problem solving.

SKILLS
Languages - JavaScript, HTML, CSS, Python, Mongoose, EJS, SQL | **Database** - MongoDB, Postgresql
Libraries and Frameworks - React, Express, Bootstrap, Django, Node
Other - REST API, JSON API, OOP, Git, Github

SOFTWARE DEVELOPMENT PROJECTS
Metal Band Generator | A website that generates random metal band information and album artwork   **September 2022**
- Created a full stack application with clean code using Mongoose, Express, React.js, Node (MERN)
- Created an API using MongoDB and Express in order make more custom fetch calls
- Fetched data from a third party API in order to populate React components
- Employed troubleshooting and debugging methods to solve issues

TubeYou | A YouTube like website for uploading, editing, commenting on videos   **August 2022**
- Utilized a MEN stack (MongoDB, Express, Node.js) to build a full stack application in 5 days. With full create, read, update, delete (CRUD) operations hitting all RESTful API calls
- Made RESTful API fetch calls to an Express, MongoDB, Node.js back-end handling all create, read, update, delete (CRUD) operations, and tested all backend routes during development using Postman.
- Used Mongoose to define schemas for MongoDB collections
- Developed in a collaborative effort with 2 other engineers, each tasked with seperate files to work on

Trivia | A basic multiple choice trivia game   **August 2022**
- Utilized JavaScript for core app functionality and DOM manipulation to dynamically render front end design elements
- Used Figma to create wireframes and plan UI and UX of application
- Styled web application with CSS3 with flexbox and Grid layouts
- Created algorithms for game loop

PROFESSIONAL EXPERIENCE
BNZ Automotive, Technician Apprentice | Sunbury, Ohio   **January 2019 - April 2020**
- Performed complex diagnoses and repairs on a range of models from mainly Mercedes
- Meticulously inspected each vehicle for damage, wear, dysfunctionality and come up with solutions
- Organized and implemented timely communication protocol throughout organization by serving as primary point of contact between upper management and staff which led to significant improvement and increase in productivity and efficiency with all vehicle inspection and more complex and technical diagnoses.

EDUCATION
GENERAL ASSEMBLY | REMOTE
Software Engineering Immersive   **July 2022 - October 2022**
Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

COLUMBUS STATE COMMUNITY COLLEGE | COLUMBUS, OHIO

Automotive Technology   September 2011 - April 2012