

# Ethan R. McDowell

ethanrmcdowell.github.io

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## SKILLS & INTERESTS

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- **Technical:** Angular, JavaScript, TypeScript, Java, HTML, CSS, Bootstrap, React, SQL, Node, Git, BitBucket, NPM, Express.js, Google Firebase, Web APIs, Postman, Crystal Reports, Zoho Desk
- **Interests:** exercise; independent music; plants; biking; video games; kayaking;

## WORK EXPERIENCE

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### West Bloomfield Township

October 2023 – Present

*Application & Database Engineer*

*West Bloomfield, MI*

- Developed a comprehensive full-stack Angular application tailored for the Clerk's Department, facilitating efficient recording and reporting of meetings, garage sales, and deed transfers.
- Utilized data analysis tools including SAP Crystal Reports to generate insightful reports for various township departments, leveraging data stored on SQL servers to inform decision-making processes.
- Provided extensive technical support across multiple applications for the entire town hall, including critical systems such as the emergency alert system and township-wide fueling system, ensuring seamless functionality and operational continuity.

### Oplogic

July 2021 – May 2023

*Full-Stack Developer*

*Clawson, MI*

- Spearheaded the development and integration of a modern credit application system tailored for car financing, utilizing Angular framework. This initiative aimed to enhance operational efficiency and accuracy within the application process.
- Revamped outdated elements of the company website, introducing modernized components to elevate user experience, functionality, and overall performance.
- Leveraged SQL extensively to architect, build, and upkeep robust databases housing critical client and customer data, prioritizing security and efficiency at every stage.

### Street Beet Detroit

June 2018 – March 2020

*Web Designer / Service Staff*

*Detroit, MI*

- Created and maintained initial Wordpress website for local Detroit restaurant. Implemented and trained owners on how to use calendar and event widget functionality to advertise upcoming events.
- Maintained domain and e-mail clients for management.
- Assisted with setup of third-party online ordering and POS systems including integration into their website.

## EDUCATION

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### Michigan State University

March, 2021

*Full-Stack Web Development Bootcamp*

*Detroit, MI*

- Attained a comprehensive understanding of full-stack web development through successful completion of an intensive bootcamp program, achieving a stellar A+ average throughout the duration of the course.
- Completed 12 personal projects as well as 3 larger group projects utilizing HTML, CSS, and multiple JavaScript technologies.
- Co-lead a weekly study and tutoring session with a group of 6-10 of my peers.