

# JOEL BARRY

## JUNIOR WEB DEVELOPER

joelbarry8907@hotmail.com ✉

(616) 262 – 0961 ☎

Grand Rapids, MI

[www.linkedin.com/in/joel-barry-27a99bb7](https://www.linkedin.com/in/joel-barry-27a99bb7)

<https://github.com/jbarry89>

**My Portfolio:** <https://my-portfolio-fmhy.onrender.com>

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## SUMMARY

Full-Stack Web Developer with a strong focus on front-end development and a solid foundation in JavaScript, TypeScript, React, Node.js, and the MERN stack. Certified through Michigan State University's intensive bootcamp, with hands-on experience building responsive, full-stack applications, integrating third-party APIs, and implementing user authentication (JWT). Former CAD Designer with sharp analytical skills and a proven ability to translate complex requirements into functional, user-focused solutions. Excited to join a collaborative development team where I can grow as a Front-end developer and help build functional, real-world platforms.

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## TECHNICAL SKILLS

### Front-End:

HTML5, CSS, JavaScript, TypeScript, React, Vite, Bootstrap, Tailwind CSS, Chakra-UI, Responsive Design

### Back-End:

Node.js, Express.js, RESTful APIs, MongoDB, JWT Authentication

### Testing & Tools:

Cypress (Component and E2E) Testing, Insomnia, Git, GitHub, VS Code

### Other / Transferable:

Team Collaboration, Attention to Detail, Microsoft Office

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## WEB DEVELOPMENT PROJECTS

### Spendly – Subscription & Bill Tracker (MERN Stack, REST APIs, MongoDB)

A personal finance app to track subscriptions, upcoming bills, and payment history.

- Collaborated with a team of 4 to build a personal finance tracker with bill reminders and analytics. Contributed UI Development for building responsive Front-End UI components using React.
- Wrote clear project documentation in the README.md
- Integrated MongoDB for data persistence and implemented user auth.

### Eventure – Local Event Discovery App (MERN Stack, Google Calendar & Ticketmaster APIs)

A social app for finding and managing local events.

- Collaborated with a team of 4 that enabled event browsing, RSVP, save/favorite features, and Google Calendar sync. Contributed UI Development for building responsive Front-End UI components using React.

- Utilized Ticketmaster API for dynamic event listing and search.
- Managed project documentation and usage instructions in README.md

### **Weather Dashboard (TypeScript, REST API, OpenWeather)**

- Created a live weather app using OpenWeather API for real-time weather data.
- Implemented asynchronous data fetching, search functionality, and user input validation.

### **Vehicle Builder CLI (TypeScript)**

- Built command-line app guiding users through building a custom vehicle using TypeScript classes and prompts.

### **Cypress Testing Suite (MERN Stack, Cypress)**

- Wrote component and E2E tests for a MERN stack app to ensure functionality and improve regression stability.

### **Trivia Game (HTML, CSS)**

- Built an interactive trivia game showcasing UI layout and responsive design.

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## **EXPERIENCE**

### **CAD Designer**

Intertek – Kentwood, MI

**2019 – 2025**

- Created 3D designs and 2D fabrication drawings using vehicle measurement data to build fixtures for automotive exterior lighting components.
- Developed prototype concept designs with 3D printing software to test fit and alignment of vehicle lighting systems.
- Utilized **Geomagic Design X** and **Control X** to analyze scan data, generating 3D comparison heat maps and identifying deviations between CAD models and real-world scans.
- Performed vehicle dimensional inspections, collecting precise data to assess lighting functionality and spatial conformance.
- Applied detail-oriented thinking — skills now leveraged in UI layout and front-end development.

### **CAD Designer**

AMSTORE – Grand Rapids, MI

**2017 – 2019**

- Created 3D models assemblies, and 2D Fabricated detailed manufacturing drawings using **SolidWorks**.
- Collaborated with project managers to translate design concepts into manufacturable components.
- Assisted in resolving design issues and generating new design concepts.

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## EDUCATION

### **Michigan State University**

**2024 - 2025**

#### ***Full Stack Web Development Boot Camp Certification***

- Completed intensive training in front-end and back-end development, RESTful APIs, databases (SQL, MongoDB), version control with Git, and full-stack deployment using modern frameworks and tools.

### **Grand Rapids Community College**

**2007 - 2011**

#### ***Associate of Applied Arts and Science***

Gained a foundational understanding of systems thinking, circuitry, and technical computing - skills that support logic, troubleshooting, and development precision.

- *Electronics Technology Engineer*
  - *Computer Application Technology*
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