# Thomas J. Johnson | Web Developer

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## PROFESSIONAL SKILLS

**Proficient:** *PostgreSQL, Node.js, Express.js, Javascript, React, HTML5, CSS, Git*
**Knowledgeable:** *React-Bootstrap*
**Business & Interpersonal:** *Management, Leadership, Communication, High-level operations in dynamic and often challenging environments*

## TECHNICAL PROJECTS

**The Autonomous Collective | Fullstack Developer** | April/2023 | https://autonomous-collective.netlify.app
*Designed and built a fully functional fullstack e-commerce site for a book vendor inspired by the early days of Amazon.*
- Tech Stack:  PERN stack, Bcrypt, React-Bootstrap, and Whimsical.
- Individual Contribution: Clean and modern UX/UI with use of React-Bootstrap, responsive context based NavBars, Modals, SideNavs, Cards, and Search.
- Features:
  - Secure Register, Login, and Guest User with hashed passwords via Bcrypt.
  - Guest Users can seamlessly register without losing their order history.
  - Persistent shopping cart for both registered and guest users over multiple devices and between logins.
  - Robust Admin page for the creation of new products, the editing of existing products, and the management of users.

**Fitness Tracker| Fullstack Developer** | March/2023 | https://flourishing-mochi-563fc9.netlify.app
*Designed and built a physical therapy focused fitness tracker with User generated and editable workout routines and activities.*
- Developed with the PERN stack and Bcrypt.
- Secure Register and Login with password hashing.
- Users are able to create and edit their own workout routines by adding editable activities of their own creation or from other users.
- Routines can be public or private. Public routines are viewable by all registered users.
- Simple but organized UI offers users a reliable experience and quick access to their data.

**Arcade | Sole Developer** | February/2023 | https://sweet-squirrel-f41337.netlify.app
*Designed and built a simple but attractive web based version of the classic children's game Tic-Tac-Toe.*
- Built using JavaScript, HTML5, and CSS.
- Built the board, updateable game state, and dynamic score using JavaScript.
- Game offers either single player or 2 player modes.

# EXPERIENCE

**Foreman | A.E.C. Electrical Contractors** | Jacksonville, FL                    January/2010 - January/2023

- Charged with completing numerous data and electrical installations across Duval and St. Johns County
- Duties included: managing teams of 3-12 persons, problem solving, procurement, scheduling, coordination, and the deployment of Just In Time resources such as heavy and/or specialized equipment.
- Projects of note include:
  - DCPS Main Nutrition Complex - 3 month ~$600k installation and integration of a new 1500kw generator and transfer switch.
    - Coordinated subcontractors, code enforcement, and manufacturers to ensure project remained on schedule.
    - Developed risk mitigation strategies to ensure operation of facility during buildout of new system.
    - Devised redundancies to protect ~$1.2 million of assets from damage during final integration of the new system.
    - Delivered on time and within budget with no loss of assets.
  - UNF's Robinson Theatre - 3 month ~$500k retrofit of the theatre with the addition of a new lighting control/dimmer system, house lighting, and stage lighting.
    - Separated personnel into 3-4 man teams to deliver projects goals in parallel vs linear
    - Devised creative rope access plan to mitigate risk, reduce budget, and pad timetable
    - Delivered ahead of schedule and well under budget
  - Main Distribution Panel Installs - ~$1.2 million aggregate across Duval and St. Johns County
  - Modular Classroom Arrays - ~$2 million aggregate across St. Johns County.
  - Power Distribution Racks - ~$1 million aggregate across St. Johns Country.

# EDUCATION & PROFESSIONAL AFFILIATIONS

**University of North Florida** | Jacksonville, FL
  > **Software Engineering Certificate** | January/2023 - April/2023
  >   - Full-time, immersive Full Stack Web Development program with focus on pair programming and test based development.
  > **Bachelor of Arts in History** |December/2009
  > **Bachelor of Arts in International Studies** |December/2009

**Phi Alpha Theta** |National History Honor Society
  > **Member** | 2011 - present