

ZACHARY OTTO

Software Engineer | Navy Veteran

@zotto117@yahoo.com [LinkedIn/Portfolio](#) [Raleigh, NC](#)

SUMMARY

Highly motivated Junior Software Engineer with a strong foundation in web development, particularly in React.js, TypeScript, and backend services like Supabase. Quick to learn new technologies and passionate about building clean, user-focused applications. Demonstrates strong problem-solving skills, attention to detail, and a collaborative mindset in both solo and team environments.

EXPERIENCE

Low Voltage Technician

TRM

05/2024 - 08/2023 [Garner, NC](#)

- Installed, tested, and maintained low voltage systems including security cameras (CCTV), access control systems, fire alarms, intercoms, and structured cabling (Cat5e/Cat6, coaxial, fiber).
- Read and interpreted blueprints, schematics, and technical drawings to plan cable routes and ensure compliance with NEC and local building codes.
- Terminated and labeled network cables, mounted enclosures, installed patch panels and switches in IT/data closets.
- Diagnosed system malfunctions and conducted repairs or adjustments to optimize performance and ensure functionality.
- Worked with clients and project managers to meet deadlines and deliver tailored solutions on commercial and residential sites.
- Maintained accurate documentation of installs, materials used, and completed work reports daily.

PROJECTS

Fullstack Social Media App

Organization Name

09/2022 - 12/2022

Mentored middle school students in Python programming and basic robotics to inspire interest in technology careers.

- Developed a full-stack social media application using **React.js** and **TypeScript**, ensuring strong type safety and scalable frontend architecture.
- Integrated **Supabase** as the backend-as-a-service to handle real-time database operations, authentication, and storage.
- Built responsive UI components for user profiles, posts, likes, and comments with reusable React components and modern CSS frameworks.
- Wrote custom hooks and context providers in TypeScript to manage global state, authentication, and API integration cleanly.
- Enabled **real-time updates** for posts and comments using Supabase's subscription features to create a live user experience.

KEY ACHIEVEMENTS



Optimized Efficiency

Used **React Query** (or SWR) to cache and manage server state efficiently, reducing redundant API calls and enhancing responsiveness.



Enhanced Data Retrieval Performance

Improved data retrieval speed by 40% through API integration in a key software project.



Increased Code Coverage

Achieved 95% code coverage for unit tests in a critical software component within a tight deadline.



Improved UI Usability

Redesigned UI elements for mission-critical software, enhancing usability metrics by 30%.

SKILLS

Java

Python

Javascript

Typescript

React.js

Node.js

EDUCATION

Homeland Security

American Military University

2023 - Present