Zachary S. Chabot
Full Stack Software Engineer | MERN Stack | Deployed Web Applications
Albany, NY | Open to Remote & Relocation
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[LinkedIn](#) | [GitHub](#)

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Frontend:** React, React Router, Hooks, Component-Based Architecture, Responsive Design, BEM, Tailwind CSS
- **Backend:** Node.js, Express.js, RESTful API Development
- **Databases:** MongoDB, Mongoose ODM
- **Tools & Platforms:** Git, npm, Webpack, Babel, Vite, Postman, Google Cloud VM, Ubuntu (Linux), PM2, systemd, logrotate, GitHub Pages
- **Concepts:** Authentication (JWT), CRUD Operations, API Integration, Asynchronous Programming, State Management, Error Handling, Form Validation, Time Complexity Awareness

Professional Experience

AI Code Reviewer & Editor – *DataAnnotation.tech (Remote)*
August 2024 – Present
- Evaluated and edited AI-generated code for correctness, performance, and best practices
- Corrected logic errors and improved implementations across JavaScript, frontend, and backend web application code
- Provided structured feedback on APIs, algorithms, and coding standards
- Reviewed and refined code involving API calls, application logic, and UI behavior.

Front-End Developer – *Communitee Golf (TripleTen Externship - Remote)*
May 2025 – June 2025
- Built a Google Chrome extension using TypeScript and React for real-time user messaging.
- Contributed to clean, maintainable component architecture for scalable UI development.
- Developed reusable UI components and documented them in Storybook.

Prior Professional Experience (Law Enforcement, Technical Field Service, Commercial Driving)
2014 – 2026
- Held high-responsibility roles requiring precision, decision-making, and accountability.
- Demonstrated reliability and performance in safety-critical environments.

Technical Projects

News Explorer – Full Stack MERN Application | **[Frontend](#)** | **[Backend](#)** | **[Live](#)**
Tech: React, Node.js, Express, MongoDB, JWT Auth, Google Cloud VM
- Designed and built a full-stack MERN application (React, Express, MongoDB) enabling users to search, save, and manage news articles from a third-party API
- Developed RESTful backend with Express and MongoDB using Mongoose schemas and models
- Implemented JWT-based authentication with protected routes and user-specific data isolation
- Built dynamic React frontend with state management, loading states, and form validation
- Implemented centralized error handling and asynchronous request logic
- Deployed and maintained full-stack MERN application on a cloud-hosted Ubuntu VM
- Configured PM2 process management with auto-restart and systemd startup integration
- Diagnosed and resolved production database failures (MongoDB crashes, disk log saturation); implemented MongoDB/PM2 log rotation to prevent disk exhaustion and improve server stability

What to Wear (WTWR) – Full Stack Web Application | **Frontend** | **Backend** | **Live**
Tech: React, Node.js, Express, MongoDB, REST APIs, Google Cloud VM

- Engineered a full-stack app that suggests outfits using real-time weather API data
- Built modular React frontend using reusable components and dynamic state management
- Developed Express backend with MongoDB schemas and full CRUD functionality
- Integrated asynchronous weather API data with validation and error handling
- Implemented RESTful endpoints and structured routing architecture
- Deployed full application stack to a cloud-hosted Ubuntu server
- Managed backend processes with PM2 and configured production environment variables
- Monitored logs and resolved MongoDB connectivity and service-level issues in production

Around the US – Modular Frontend Photo App | **Frontend** | **Live**
Tech: JavaScript (ES6 Modules), Webpack, Babel, HTML, CSS (BEM)

- Built a modular front-end application using **component-based architecture**
- Configured a Webpack build pipeline with Babel for production bundling
- Implemented asynchronous API calls to dynamically fetch and render user data
- Structured reusable components and utility modules
- Deployed production build using GitHub Pages

Education

SUNY Ulster — A.S. Computer Science *(Starting Summer 2026)*
Preparing through CLEP examinations and foundational computer science study (algorithms, time complexity)

TripleTen Software Engineering Bootcamp
Full Stack Web Development | April 2024 – August 2024
Intensive program focused on MERN stack, REST APIs, deployment, and modern frontend architecture

Zone Five Regional Law Enforcement Training Academy
Certified Police Officer & Corrections Officer | 2019 – 2021

The CDL School
Commercial Driver Certification | May 2022 – June 2022