COLLIN O'DONNELL

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Full-Stack Software Engineer

Creative builder with a foundation in hands-on engineering and 8+ years of real-world problem-solving experience. As a former mechanic, fabricator, and bartender, I bring a unique blend of precision, adaptability, and customer empathy to software development. Passionate about developing clean, efficient code and expressive, user-centered applications. Skilled in full-stack web technologies and always building something new.

SKILLS

Languages: JavaScript, Java, HTML, CSS, TypeScript, SQL, Python
Frameworks: Angular, React, Node.js, Express.js, Ruby
Tools: Git, PostgreSQL, REST APIs, Netlify, Render, VS Code, Jupyter Notebook
Other: Responsive Design, Object-Oriented Programming, Agile, DOM Manipulation

EXPERIENCE

Machine Mechanic | 7-Eleven & Independent Fabrication | 2017 — 2025

- Diagnosed and repaired mechanical systems using a structured problem-solving approach.
- Built custom machinery and welded parts from scratch, mirroring the iterative development process of coding.
- Translated blueprints into functional systems—just like translating technical requirements into code.
- Collaborated with cross-functional teams to design and implement mechanical solutions, requiring clear communication and precise execution.

Bartender | Railroad Station & Fulton Hall | 2014 — 2023

- Managed high-volume service environments with professionalism and speed.
- Memorized complex drink menus and multitasked efficiently—skills that carry over to managing multiple codebases and debugging under

pressure.
- Built lasting customer relationships and worked seamlessly with
teams of all kinds.

EDUCATION

Full-Stack Software Engineering Certificate | Codecademy | 2024 –
2025
Continuing education in Machine Learning, UI/UX, and Artificial
Intelligence.