

Calvin Tucker

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SUMMARY

A full-stack developer with a passion for building user-friendly applications. My hands-on experience comes from self motivation, and independently developing and deploying multiple projects using the MERN stack and other technologies. I am an adaptable problem-solver who thrives in a team environment, focusing on secure coding practices to achieve our shared goals.

PROJECT

Full Stack Bakery E-Commerce Platform (MERN Stack)

Self-Produced

- **Customer-Facing Features:** Implemented secure user authentication (signup/login), profile management, an email-based password reset system, and a dynamic shopping cart for adding and removing items.
- **Administrative Dashboard:** Created a private dashboard that allows administrators to easily manage the store's inventory by adding or removing products.
- **Responsive Design:** Utilized Tailwind CSS to build a responsive, mobile-first interface that provides a consistent and accessible experience across all browsers and screen sizes.
- **Development Approach:** This project was developed without AI assistance to demonstrate a strong command of fundamental web development principles and problem-solving skills.

Full Stack Recipe Management Web App (MERN stack)

Self-Produced

- **Full CRUD Implementation:** Users can create, read, update, and delete their personal recipes, giving them full control over their saved collection.
- **Secure Authentication:** Implemented persistent, yet simple user sessions using JSON Web Tokens (JWT) stored in secure, HTTP-only cookies to manage state.
- **Responsive UI/UX:** Built a responsive, mobile-first interface with Tailwind CSS, ensuring a seamless and intuitive experience on any platform or browser.
- **Foundational Development:** The project was built entirely from scratch to showcase a deep knowledge of API design, state management, and fundamental programming concepts without AI assistance.

EDUCATION

B.S. Computer Science

Southern New Hampshire University • Manchester, NH • 2025 • 3.96

- Awarded President's list 10 times in a row.
- Received High Honors

CERTIFICATIONS

Datacom - Software Development Job Simulation

Forage • 2025

- Showcases ability to debug and solve problems within a web application.
- Show ability to work at a professional level.

SKILLS

Front-end frameworks: React.js, Vue, Nuxt, Tailwind CSS, Daisy UI

Back-end frameworks: Django, Java, JavaScript, Java Spring Boot, .NET, Express, Node

Databases: MongoDB and Mongoose, MySQL, PostgreSQL, and DynamoDB

Version control and deployment: AWS, GitHub, and Git

Methodologies: Agile, Scrum

Programming languages: Java, C#, HTML, Python, CSS, C++, JavaScript, TypeScript

Platforms: Windows, Linux, macOS

API design: REST, CRUD, GraphQL

Security: JWT, OAuth2, AWS API Gateway

Final Note:

My development philosophy is to first build a strong, independent foundation without using AI. By mastering the fundamentals through hands-on problem-solving through brutal hours figuring out solutions on my own. I am able to use AI as a powerful accelerator and not as a crutch in my development.