SPENCER DAVIS

SOFTWARE ENGINEER | FULL-STACK DEVELOPER

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SUMMARY

Chemical engineer turned full-stack software developer, leveraging process-optimization expertise from Corning to build robust, user-centric applications. Focused on MERN stack development through Springboard (June 2025), plus Swift/Python side projects. My creative background in music/streaming fosters unique approaches to problem-solving. Eager to deliver data-driven solutions with real-world impact.

PROFESSIONAL EXPERIENCE

Software Engineer in Training | Springboard   **Oct 2024 - Jun 2025 (Expected)**
- MERN (React, Node.js, Express, MongoDB) training with TDD, RESTful APIs, and Agile best practices.

Freelance Music Producer & Audio Engineer | Spencer Skyline   **Aug 2016 - Oct 2024**
- Produced original music (15k+ streams) in Logic Pro, ran data-driven ads, and collaborated with bands.

Partnered Content Creator | Microsoft (Mixer.com)   **Jan 2019 - Dec 2020**
- Achieved partner status and grew a 25K+ community via data-driven strategies and engagement.

Process Engineer | Corning, Inc   **Jul 2015 - Aug 2016**
- Led cross-functional teams in optical-fiber innovation (patent submitted), improving prototype throughput.

Mix Lab Engineer (Intern) | Transitions Optical   **Jun 2013 - Aug 2013**
- Created a barcode system to track photochromic solutions globally, reducing material traceability errors.

PROJECTS

Dog Adoption Platform API | GitHub
- RESTful Node.js/Express API for dog registration, adoption, and removal with JWT authentication.
- Technologies: MongoDB (Mongoose), bcrypt, Mocha/Chai/Supertest.

Space Travel | GitHub
- React-based app simulating spacecraft building and interplanetary travel via a mock API.
- Technologies: React Router, Vite, Vitest, CSS Modules, Error Boundary.

SKILLS

Languages: JavaScript (ES6+), Swift, Python, C++, TypeScript, HTML, CSS
Front-End: React.js, Next.js, Redux
Back-End: Node.js, Express.js (REST APIs, MVC architecture)

Databases: MongoDB, PostgreSQL
Tools & Concepts: Git/GitHub, GraphQL (intro), Agile Development, Asynchronous Programming, OOP, Data Structures & Algorithms
Testing: Jest / Vitest, React Testing Library

EDUCATION

Springboard | Full-Stack Web Development Bootcamp   **Oct 2024 - Jun 2025 (Expected)**
Cornell University | Master of Engineering, Chemical Engineering   **Aug 2014 - May 2015**
University of South Florida | Bachelor of Science, Chemical Engineering   **Aug 2009 - May 2014**