SPENCER DAVIS

SOFTWARE ENGINEER | FULL-STACK DEVELOPER

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SUMMARY

Experienced engineer with a proven record in process optimization and cross-functional problem solving, now bringing that rigor to software development. Skilled in the MERN stack, Python, and TypeScript, building robust, user-focused applications using agile best practices and test-driven development. My creative background in music production and content creation adds a unique perspective to technical challenges.

PROFESSIONAL EXPERIENCE

Software Engineer in Training | Springboard   **Oct 2024 - May 2025**
- 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

Quizzard | GitHub
- Social quiz app with interactive quizzes, live leaderboards, and friends, secured by JWT auth.
- Technologies: React, TypeScript, Node.js, Express, JWT, REST API, Vite, Jest.

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, Agile Development, Asynchronous Programming, OOP, Data Structures & Algorithms
Testing: Jest / Vitest, React Testing Library

EDUCATION

Springboard | Software Engineering Bootcamp   **Oct 2024 - May 2025**
Cornell University | Master of Engineering, Chemical Engineering   **Aug 2014 - May 2015**
University of South Florida | Bachelor of Science, Chemical Engineering   **Aug 2009 - May 2014**