

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, 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 - 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**