

SPENCER DAVIS

FULL-STACK SOFTWARE ENGINEER | MERN & PYTHON | EX-PROCESS ENGINEER (M.ENG CORNELL)

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SUMMARY

Full-stack software engineer skilled in building modern web applications using React, Node.js, TypeScript, and Python. Former process engineer with a master's from Cornell and proven success in high-stakes environments. Now focused on writing clean, scalable code and delivering products that solve real problems. Comfortable owning features end-to-end, working across the stack, and collaborating with cross-functional teams.

PROFESSIONAL EXPERIENCE

Software Engineer in Training | Springboard

Oct 2024 - May 2025

Completed 800+ hour software engineering bootcamp focused on full-stack development with the MERN stack.

- Built and tested full-stack apps using React, Node.js, Express, MongoDB, and RESTful APIs
- Applied Agile workflows, Git version control, and test-driven development in individual and paired projects
- Developed capstone and apps with clean architecture, reusable components, and production-ready code

Freelance Producer & Content Creator | Microsoft Mixer / Spencer Skyline

Aug 2016 - Oct 2024

Ran a multi-year solo business combining music production, streaming, and data-driven marketing.

- Released original music (15K+ streams); produced and mixed tracks in Logic Pro using pro-level tools
- Built a 25K+ audience on Mixer via livestreams and performance-optimized broadcast setups
- Managed paid ad campaigns across TikTok, Instagram, and Meta using audience data to drive engagement

Process Engineer | Corning, Inc

Jul 2015 - Aug 2016

Led teams developing optical fiber manufacturing systems; co-designed patent-pending equipment.

- Improved throughput by 15% using root cause analysis and workflow optimization
- Created technical documentation and trained staff. Skills directly relevant to developer onboarding and team knowledge sharing

PROJECTS

Quizzard | Social Quiz Platform | [GitHub](#)

- Built a full-stack app enabling users to create and compete in real-time quizzes with JWT-authenticated accounts. Integrated live leaderboard tracking, secure session handling, and responsive UI.
- **Tech:** React, TypeScript, Node.js, Express, MongoDB, JWT, Vite, Jest

Space Travel | Frontend Simulation App | [GitHub](#)

- Developed a React app simulating spacecraft creation and interplanetary navigation using a mock API. Implemented modular architecture, route-based rendering, and robust error boundaries.
- **Tech:** React, React Router, CSS Modules, Vitest, Vite

SKILLS

Languages: JavaScript/TypeScript, Python, HTML/CSS

Databases: MongoDB, PostgreSQL

Front-End: React, Next.js, Redux, React Router

Tools: Git/GitHub, Jest, Vitest, GraphQL

Back-End: Node.js, Express.js, REST APIs, MVC

Concepts: Agile, TDD, Data Structures & Algorithms

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