

Spencer Cole *Full-Stack Developer*

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👋 INTRO

Full-stack web developer with a highly creative background in music production. Using ingenuity, my eye for design and attention to detail, I strive to create an intuitive and visually stunning experience for the user. Working with cutting-edge tools, I produce high-performance and well-tested products.

🧪 PROJECTS

ShowFinder 🔗

01/2023 – present

- Developed and launched SPA to fetch local shows:
 - React, Node.js, Express; APIs: RapidApi, LocationIQ, Spotify
- Designed UI to display nearby events including audio previews, artist/venue info and tickets.
- Needed service to rapidly map all nearby concerts/artists in one convenient app instead of hard-to-find/insufficient/incomplete listings
- Created this tool to benefit those who are searching for local entertainment and talent that would otherwise be overlooked or unlisted.

Surveillance Management System 🔗

04/2023 – 04/2023

- Developed application for simulated network of surveillance cameras: - Next.js, Next-Auth, Prisma, TypeScript, PostgreSQL, AWS S3 & CloudFront, Jest & React Testing Library
- User alerted by motion and sound detection
- Can view where motion is occurring / occurred

Voice-Assistant Oscilloscope 🔗

03/2023 – present

- Created an audio visualizer and assistant:
 - Socket.IO, Web Speech API & Canvas API
- Devised a tool to make Google search queries a fun and engaging experience

MadCap 🔗

12/2022

- Built multiplayer game: - Socket.IO, React, Material-UI, Express, Axios, Jest, Storybook
- Creation of this successful team project was driven by the desire to create a fast-paced, one of a kind multiplayer challenge designed for real-time, fully interactive gameplay (including chat)
- Engaged users with snappy response times and customizable gameplay option

🧠 SKILLS

LANGUAGES

JavaScript, TypeScript, Ruby, EJS, PHP, HTML5, CSS3, SCSS

FRAMEWORKS & LIBRARIES

React, Next, Redux, Node.js, Express; Angular; React Native, jQuery, Rails, AJAX, MaterialUI

DATABASES & SYSTEMS

PostgreSQL, git, WordPress, Docker, AWS Cloud Computing Services

TESTING

Jest, Cypress, Storybook, React Testing Library

🎓 EDUCATION

Lighthouse Labs, *Diploma in Web Development* 🔗

09/2022 – 12/2022

University of Toronto,

Bachelor of Music Performance 🔗

09/2004 – 05/2008

🌐 PROFESSIONAL EXPERIENCE

Full-Stack Developer - Open Source

03/2023 – present

Accessible Research Article Database 🔗
contributing to the functionality and design of this educational tool and resource for students.

Music Production and Composition - Freelance

05/2010 – 12/2022

18+ yrs with DAWs: Logic Pro, Pro Tools, Cubase / advanced production suites and editing software. Working for television and independent artists.

Multi-Instrumentalist - Freelance

05/2008 – 06/2022

Two-time Juno nominated and two-time Polaris short-listed with project, Weaves; touring internationally