

Jeff McMillen

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SOFTWARE ENGINEER | FULL-STACK DEVELOPER

- 2-5 years of proven experience as a Full Stack Engineer or Software Developer
- Primary Skills: JavaScript/TypeScript, Python, React, SQL, MongoDB, Node, Express, GitHub
- Portfolio: [GitHub](#) | [React](#)

“Jeff delivered projects that grew the business and made both clients and ownership happy. His professional attributes are matched only by his qualities as a person; his positivity is energizing.” – Kyle, EdTech Startup

PROFESSIONAL EXPERIENCE

J MCMILLEN CODE

Software Engineer | Full-Stack Developer, Austin, TX

04/2023 - Present

Engaged in freelance projects while seeking a full-time position as a software engineer.

- Designed [NoSQL Social Network API](#), enabling enhanced interaction features like user profiles, thoughts, and reactions, closely mimicking social media functionalities.
 - Applied Node.js, Express.js, MongoDB, and Insomnia skills while establishing a comprehensive API with full CRUD capabilities, ensuring reliable, scalable user interactions.
- Engineered [MVC Tech Blog](#) platform that supports user registration, login, and interaction with blog posts, promoting community engagement and content sharing.
 - Built and tested robust full-stack application, ensuring complete CRUD functionality and dynamic web content management.

TEXAS ADVANCED COMPUTING CENTER (UT)

Web and Mobile Applications Developer, Austin, TX

09/2024 - 12/2024

Employed full-time in a 3-month project where I utilized Python, Django, React, Docker, and TypeScript to help researchers collect and organize data for their projects.

- Leveraged web application skills to improve functionality of the [core portal](#) and [custom](#) systems. Gained proficiency with tech stack within 2 weeks. Collaborated with mid-level and senior-level developers to solve large-scale problems.
- Prevented Denial of Service situations from supercomputers by integrating functionality that limits user file download sizes.
- Reduced React state management complexity by converting React Redux sagas to React Query mutations for all file-handling functions.

JM GAMING

Software Developer & Technical Sound Designer, Austin, TX

09/2020 - 04/2023

Technical Sound Designer & Composer, Indie Gaming

10/2012 - 09/2020

Spearheaded coding projects integrating sounds and music with action at the height of 10-year career in indie game development.

- Earned title credits for 7 games from concept to release (with 8th game in production).
- Solved problems by operating with a results-driven mindset.
- Utilized effective communication and collaboration skills.

OTHER CODING PROJECTS

- Architected [SQL Employee Tracker](#), setting up initial schema, seeding database, and rigorously testing SQL queries and Inquirer prompts which enhanced business operations by seamlessly managing data on departments, roles, and employees.
- Completed 21 solo projects and three group projects during UT's full-stack coding bootcamp by leveraging time management skills, collaborative approach, technical abilities, and track record of success delivering projects on-time and within budget.
- Revamped [Game Worlds'](#) audio curriculum by designing accessible sound design tutorials with easy-to-use software, empowering students to independently create game audio, significantly enhancing learning engagement and creative expression.

TECHNICAL PROFICIENCIES

Hypertext Markup Language (HTML5), Cascading Style Sheets (CSS3), JavaScript, GitHub, jQuery, Bootstrap, Bulma, Application Programming Interfaces (APIs), Node.js, Express.js, Insomnia, Object-Oriented Programming (OOP), Jest, Inquirer, Object-Relational Mapping (ORM), RESTful APIs, Structured Query Language (SQL), MySQL, Sequelize.js, Handlebars.js, Model-View-Controller (MVC) Architecture, ESLint, MongoDB, Progressive Web Applications (PWAs), React.js, Apollo GraphQL, Python, Django, Docker, Vite, TypeScript

ADDITIONAL KNOWLEDGE, SKILLS, & ABILITIES

- Ability to work with a team of full-stack engineers to build and enhance products across the stack
- Ability to develop front-end applications, back-end applications and RESTful APIs
- Collaborating with UI/UX teams to create new user experiences and extend web applications
- Improving the performance, scalability, and reliability of our real-time, location-based systems
- Troubleshooting and resolving issues across platforms quickly and efficiently
- Staying current with new technologies and eager to learn and apply new skills
- Contributing to the agile development process, iterating quickly and pushing code frequently

EDUCATION

Bachelor of Arts in Music Education, The University of Texas at Arlington

Master of Music in Music Composition, Texas State University

Full Stack Web Development Boot Camp, The University of Texas at Austin