

# Jeff McMillen

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## SOFTWARE ENGINEER | FULL-STACK DEVELOPER

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- 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

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### 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**

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- 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 program 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**

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- Web Elements: Hypertext Markup Language (HTML5), Cascading Style Sheets (CSS3)
- CSS Frameworks: Bootstrap, Bulma
- Primary Languages: JavaScript, jQuery, TypeScript, Python
- Development Tools: GitHub, Jira, Confluence
- Data Routing & Route Testing: Application Programming Interfaces (APIs), RESTful APIs, Insomnia
- Programming Concepts: Object-Oriented Programming (OOP), Object-Relational Mapping (ORM), Model-View-Controller (MVC) Architecture
- Middleware/Full-Stack Tools: Node.js, Express.js, Inquirer, Django
- Databases: Structured Query Language (SQL), MySQL, Sequelize.js, MongoDB, Apollo GraphQL
- Front-End Frameworks: React, Handlebars.js
- Code Quality & Testing: ESLint, Jest, Vite
- App Development: Progressive Web Applications (PWAs)
- Containerization: Docker

## **ADDITIONAL KNOWLEDGE, SKILLS, & ABILITIES**

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- 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**

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**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 Program**, The University of Texas at Austin