**Tyler Pierson**

**Software Engineer**

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**PERSONAL BRAND STATEMENT**

As a versatile software engineer passionate about problem-solving and innovation, I thrive on tackling upcoming challenges to continually push the boundaries of my creativity. Leveraging my background in education and leadership roles, I have refined my ability to collaborate effectively within diverse teams, guiding them towards achieving common goals. My journey has equipped me with a comprehensive skill set encompassing both front-end and back-end development, showcasing expertise in JavaScript, React, Node.js, MongoDB, and more.

**TECHNICAL SKILLS**

**Software:** Microsoft Office | SharePoint | Google Suites | Confluence | JIRA | Microsoft Teams | Zoom

**Operating Systems:** Mac | Microsoft Windows

**Programming:** JavaScript | HTML | CSS | Shopify | Sass| React | Git | Node.js | MongoDB | Mongoose | Express.js | GitHub

* Online Marketing
* Leadership
* Data Analysis
* Agile Methodologies
* Content Management Systems
* Training and Development
* Policy Implementation
* API Documentation
* API Integration
* Testing | Debugging
* Code Review
* Web Security

**PROJECTS**

[**Goose Dev Hub**](http://goose.danwheeler.me) **| NodeJs, Express, Mongoose, MongoDB, React | Full-Stack React Application**

* Developed a robust backend using Node.js and Express.js, providing a secure and efficient server-side environment.
* Employed MongoDB as the database management system to store user profiles, project details, and employment-related information.
* Integrated React.js for frontend development, creating a dynamic and interactive user interface for seamless navigation and engagement.
* Implemented modern development practices and frameworks to create a scalable and user-friendly social media platform tailored for web developers.

[**Campus Population API**](https://github.com/tylerpierson/campus_api_component) **| NodeJS, Express, Mongoose, MongoDB, React | Backend API Development**

* Created a School Campus API using Node.js, Express, Mongoose, and MongoDB to manage staff, teachers, students, and assignments within a school environment.
* Implemented a many-to-many relationship model to accurately represent the complex interactions between staff members, teachers, students, and assignments.
* Designed RESTful endpoints to handle CRUD (Create, Read, Update, Delete) operations for managing staff, teachers, students, assignments, and their relationships.
* Utilized MongoDB and Mongoose to efficiently store and retrieve data related to staff, teachers, students, assignments, and their associations.

**PROFESSIONAL EXPERIENCE**

**General Assembly | Remote September 2023 – March 2024**

**Software Engineer Immersive Fellow**

* Worked independently and collaboratively and offered web development services on a project-by-project basis. Conducted knowledge-sharing sessions to disseminate expertise and promote a collaborative and informed team environment.
* Completed 500+ hours of expert-led instruction in Cloud development, DevOps, and UX Engineering and hands-on learning of frontend and backend fundamentals and the industry’s most in-demand technologies.
* Collaborated with cross-functional teams to design and implement features, emphasizing both front-end and back-end development.
* Utilized technologies such as HTML5, CSS, and JavaScript to create responsive and user-friendly web applications.
* Conducted thorough debugging and troubleshooting sessions, resolving software defects and ensuring a smooth user experience.

**Denton Independent School District | Aubrey, TX July 2020 – Present**

**Teacher**

* Design impactful lessons for students based on data collected from assessments and surveys. Utilize information to tailor instruction to meet the unique needs of each student, providing targeted support and enrichment opportunities.
* Collaborate with parents, educators, and special education professionals to identify areas requiring additional support for individual students. Improve student performance and satisfaction through targeted interventions and accommodations.
* Establish a nurturing and supportive classroom environment to foster learning by creating a positive and inclusive learning atmosphere that promotes student confidence and participation.
* Engage in collaborative planning with fellow teachers to develop interdisciplinary projects, resulting in a 20% increase in student creativity and critical thinking skills.

**United States Marine Corps | Kaneohe Bay, HI May 2011 – December 2015**

**Infantry Team Leader, Corporal (E-4)**

* Led a team of Marines during two deployments in Southeast Asia, providing tactical and technical guidance to ensure mission success and personnel safety in dynamic environments.
* Fostered strong international relationships with foreign defense forces during peacekeeping exercises, facilitating seamless cooperation and diplomacy to achieve shared objectives and promote global stability.
* Consistently upheld daily accountability by carefully overseeing a varied inventory of small arms, ammunition, and equipment valued at over $150K, guaranteeing operational readiness and adherence to strict military standards.

**EDUCATION**

**Software Engineering Certification** | Software Engineering Immersive Flex | General Assembly | Valedictorian | 2024

**Master of Education** | Educational Administration & Human Development |Texas A&M University |GPA 4.0 | 2023

**Bachelor of Science** | Interdisciplinary Studies | University of North Texas, Denton | GPA 3.72 | 2020