Timothy Rodriguez

Software Engineer

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Empathetic innovator with a problem-solving mind, transitioning from occupational therapy to build empowering software solutions for a healthier future.

SKILLS

Languages - JavaScript, HTML, CSS, Python, Golang, JSON, EJS, Node.js, PostgreSQL, NoSQL| **Database** - MongoDB **Libraries and Frameworks** - Express.js, jQuery, React, Mongoose, Django, Gin **Other** - RESTful Routing, JSON, Vercel, GitHub, AJAX, Render, Netlify, MVC Frameworks, Postman, Trello, Agile/SCRUM Methodologies **Interpersonal skills** - Aggressive learner, problem-solving, time management, critical thinking, empathy, effective communication, strategic planning, attention to detail

SOFTWARE DEVELOPMENT PROJECTS   October 2023 - Present

Study Buddy [GitHub FE](#) [GitHub BE](#) | [Deployed Site](#) *May take additional time to load* **| MongoDB, Express.js, React, NodeJS**
- Collaboratively built a MERN stack quizlet-style flashcard application using Git version control (GitHub) and Trello for project management
- Developed a user-friendly React frontend with React Router, enabling CRUD (Create, Read, Update, Delete) operations on both decks and cards (linked via IDs)
- Implemented a secure Express.js backend API with full CRUD functionality for 2 models, deployed to cloud platforms (Render/Netlify)
- Utilized Postman for comprehensive API testing, ensuring a robust and user-friendly learning experience

MediManage [GitHub FE](#) [GitHub BE](#) | [Deployed Site](#) | Golang, React, MongoDB, Bootstrap
- Developed a comprehensive medication management application using Golang (Gin framework) for robust and scalable backend architecture
- Engineered a responsive and user-friendly frontend with React and Bootstrap, ensuring seamless user experience across devices
- Implemented JWT authentication for secure user access, and enabled full CRUD operations for managing users' medications
- Integrated OpenAI API to provide real-time drug interaction checks, enhancing patient safety and medication adherence.

Tattooly [GitHub](#) | [Deployed Site](#) Demo username:tim14 password:123 | Javascript, CSS, HTML, MongoDB, Express.js
- Developed a comprehensive full-stack tattoo planning application featuring functionalities for uploading reference photos, scheduling appointments, and budgeting tattoo costs
- Developed a RESTful API (Express.js) with CRUD (Create, Read, Update, Delete) functionality for tattoo planning data stored securely in a MongoDB database (Mongoose schemas). Utilized Postman for comprehensive backend route testing
- Implemented user login and session management along with thorough back-end route testing using Postman for a robust and secure user experience
- Defined data schemas using Mongoose for efficient data modeling and interaction with MongoDB

PROFESSIONAL EXPERIENCE

Fellow, General Assembly | Remote   **October 2023 - May 2024**
- Successfully completed 500+ hours of expert led instruction in full-stack development
- Built full-stack applications utilizing various languages, frameworks, version control, and databases
- Applied best practices in testing, deployment, code maintenance, documentation, and responsive design

COTA, Westover Hills Rehabilitation and Healthcare Center/PAM Health | San Antonio, TX   **July 2022 - Present**
- Leveraged AI-powered tools to personalize patient recovery plans, providing data-driven insights to optimize rehabilitation exercises and accelerate progress towards functional goals
- Assisted and collaborated with the medical team including doctors, consultants, and other rehabilitation staff to achieve optimal patient outcomes
- Collaborated effectively with patients, families, healthcare providers, and colleagues to ensure clear communication and coordinated care
- Developed and implemented personalized intervention plans, monitored progress, and adjusted approaches to motivate and challenge patients

EDUCATION

General Assembly | Remote
Software Engineering Immersive   **Graduation Date: May 2024**
Full-stack software engineering immersive student in an intensive, 24-week, 500+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

St. Philip's College | San Antonio, TX
Occupational Therapy Assistant, A.A.S.
GPA: 4.0 | President of the Occupational Therapy Assistant Student Organization   **Graduation Date: May 2022**

University of Texas at San Antonio | San Antonio, TX
Bachelor of Science   **Graduation Date: May 2018**