Teyo Tobias Turrubiates

Software Engineer | Austin, TX | (956) 873-1995 | teyotobias@utexas.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, Java, C++, SQL, NoSQL, HTML, CSS, Bash, Assembly,
Libraries and Frameworks: ReactJS, Node.js, ExpressJS, Spring Boot, Flask, Jest, Mocha, Tailwind CSS, Bootstrap, Framer
Databases: MongoDB, PostgreSQL, Redis, MySQL
Deployment/DevOps: Jenkins, Docker, Kubernetes, GitHub Pages, Python Virtual Environments, Heroku, Fly.io
Key Competencies: Full Stack Development, Automation & Scripting (Python, Bash), CI/CD Pipelines (Jenkins, Docker), Cloud Services (AWS), Responsive Design, RESTful APIs, Version Control, Data Processing & Aggregation

EDUCATION

University of Texas   **Aug 2020 – May 2024**
*Bachelor of Science in Electrical and Computer Engineering, **GPA**: 3.4/4.0*   *Austin, Texas*
Relevant Coursework: *Software Design/Implementation I and II, Software Testing, System Design, Operating Systems, DSA*

WORK EXPERIENCE

Software Engineer Intern   **May 2021 – Aug 2022**
Mercy Kids Rehab   *Harlingen, Texas*

- **Led** the **development and implementation** of a **patient feedback system**, using **React**, **Node.js, Tailwind,** and **Framer Motion**, to gather and analyze patient satisfaction data, resulting in a **25% increase** in feedback submission rates.
- **Developed** and **maintained internal tools** using **Python**, **SQL,** and **Bash** to automate the management of patient data across 6 locations, improving **data retrieval speed by 50%** and ensuring consistent records across the organization.
- **Designed** and **developed a dynamic website** representing six locations using **JavaScript**, **HTML**, **CSS**, and **Tailwind**, which **increased online engagement by 40%.**
- **Created a custom reporting tool** using **Python** and **SQL** that aggregated therapy session data across multiple locations, enabling more accurate and timely reporting for clinical staff and management.
- **Developed** and **integrated secure API endpoints** to facilitate data exchange between the company's internal systems and third-party health information systems, enhancing **data interoperability** and reducing manual data entry by **35%**.
- **Collaborated** with the IT team to **deploy a scalable infrastructure** for the company's web applications using **Docker**, **AWS ECS/Fargate**, and **Jenkins** CI/CD, reducing deployment times by **40%** and improving system reliability.

PROJECTS

At What Cost? – [GitHub](#) | [Hosted](#) | MongoDB | Express.js | React | Node.js | Heroku | Framer   **Aug 2023 - July 2024**
- **Engineered a user-friendly e-commerce platform** using **a Single Page Application (SPA)** architecture and the **MERN** stack. **(MongoDB, ExpressJS, ReactJS, NodeJS)**
- **Built a secure user authentication framework** with **JSON Web Tokens (JWT)**, employing **Ajax** for real-time updates, **Framer Motion** for smooth animations, and **Bootstrap** for a responsive, mobile-friendly shopping experience across devices.
- **Adopted MVC architecture** to decouple UI and business logic, incorporating sophisticated routing and error-handling to enhance app reliability and maintainability.
- **Integrated Stripe for seamless payment processing**, ensuring secure transaction handling within the platform.

MasterMind – [GitHub](#) | [Hosted](#) | Vanilla JS | HTML | CSS | GH Pages
- **Built an interactive web-based simulation** of the board game Mastermind with **responsive design** for accessibility across various screen sizes, ensuring smooth user experience.
- **Utilized efficient data structures** to maintain game state and game logic, handling events like color selection, validation, scoring, and resetting, while providing **dynamic visual feedback** to users.

CERTIFICATIONS

Software Engineering Immersive Certificate of Completion   **May 2023 – Aug 2023**
General Assembly   *Remote*
- Orchestrated **Agile project management**, leading teams in the development of several apps across different tech stacks such as **MERN & Python-Django-PostgreSQL.**
- Developed interactive and responsive web applications with **UI/UX** technologies such as **Bootstrap** and **Tailwind**, and ensured scalable deployment with **Heroku** and **Fly.io**, employing **Python virtualenv** for dependency managements.

AWS Certified Cloud Practitioner   **Dec 2023**
Amazon Web Services   *Remote*