German Torres Sierra

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Experience

University Social Service — **TecNM**
Web Developer — January 2025–June 2025
- Developed a responsive institutional website that enables students to track their progress in language courses.
- Implemented a Model–View–Controller (MVC) architecture and a modular code structure to ensure maintainability and readability.
- Designed intuitive, accessible interfaces to improve user experience across devices.
- Used GitLab for version control, issue tracking, and collaborative development workflows.

Freelancer — **Remote**
Part-time Software Developer — July 2024–December 2024
- Developed and maintained codebases using Python, leveraging APIs from platforms such as Dropbox, Discord, Slack, Airtable, Upwork and Shopify to deliver client-specific solutions.
- Built and deployed CRUD applications using Flask and Express.js frameworks.
- Designed user-friendly front-end interfaces and integrated templates to enhance user experience.
- Utilized GitHub for version control, project management, and collaboration.
- Employed Docker containers and cloud services like Firebase and Google Cloud to deploy and scale applications.

Projects

Inventory Management System (React, Laravel)
- Built a full-featured inventory management system to track product receipts and shipments, create and monitor projects, and enforce role-based permissions.
- Integrated AWS S3 for scalable file storage and efficient asset management.
- Applied coding best practices and a component-based architecture to deliver a large, maintainable web application.
- Translated business requirements into scalable code and implemented workflows aligned with operational processes.

Restaurant Website (React, Django)
- Developed the website according to specific requirements, successfully meeting all criteria.
- Followed Scrum methodology to ensure timely project completion.
- Implemented administrative tools for dynamic data management, enabling client to modify various components of the website.
- Designed a responsive and aesthetically pleasing user interface.

Product Management Web App (JavaScript, HTML, CSS)
- Implemented full product management capabilities, including showing, creating, and deleting product.
- Integrated data validation techniques to ensure secure data handling.
- Built the web app based on an existing design, achieving high fidelity to the original, and made it responsive by adjusting its behavior and appearance, using animations to enhance the user experience on mobile devices.

Education

Instituto Tecnológico de Morelia — **Morelia, Michoacán**
Computer Systems Engineer — August 2021
Coursework: Data Structures, Operative Systems, Linear Algebra, OOP, Database Administration, Software Engineering.

One Oracle Next Education Bootcamp — **Virtual**
Front-end Web Developer — January 2024–July 2024
Coursework: JavaScript, CSS, HTML, React.