German Torres Sierra

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Experience

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

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.

Streaming Application Replica (Java)

- Followed Object-Oriented Programming (OOP) principles to develop a backend structure capable of handling basic features of a streaming application.
- Used .dat files to manage and save data locally.
- Implemented user authentication and session management to secure access for normal users and administrators.

Computer Vision Project (Python, OpenCV)

- Employed libraries and algorithms to develop a Convolutional Neural Network (CNN).
- Created a dataset using image segmentation for training and validating the CNN
- Integrated an image data generator to perform image transformations.

Skills

Programming Languages: Python, Typescript, SQL (Stored Procedures, Triggers), Java.
Developer Tools: Visual Studio Code, Chrome DevTools, Git, GitHub.
Technologies/Frameworks: Django, React.
Soft Skills: Communication, Teamwork, Responsibility.

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.