

Manuel Carretero

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Skills

Programming languages: JavaScript, PHP, SQL, C#, Go

Technologies: Bootstrap, jQuery, React, Docker, Git, Github, composer, node

Tools: JetBrainsIDE's, Jira, VSCode, Photoshop, Bash

Experience

Frontend Engineer

Feb 2022 - Jul 2022

UnDosTres

Mexico City

- Developed an html to pdf converter for our credit card users' state of account.
- Created webviews for our iOS/Android credit card request and payment page flow.
- Worked in making a SPA loans application with React from scratch in our MVC.

Fullstack Engineer

Jul 2021 - Jan 2022

UnDosTres

Mexico City

- Developed endpoints for communicating our PHP ecommerce with our Go microservices.
- Worked on creating a composer SDK for merchants to integrate with our ecommerce.
- Created tables to categorize our products for display in our transaction history.

Projects

NFT website

- Designed, developed and deployed a React website for NFT minting with Netlify. Integrated the website with Metaplex's candy machine API in the Solana blockchain.

2048 game

- Developed the 2048 game, with asynchronous JS, animations, React and mobile support.

Sorting algorithm visualizer

- Developed an animated, sorting algorithm in vanilla JS for educational purposes, implemented merge sort, bubble sort, quick sort and shell sort so far.

Unity game development

- Developed a tower defense game in C# with custom rigged, animated and textured 3d models. Implemented A* algorithm for AI pathing, and optimized garbage collection with object poolers.

Activities and Achievements

Cambridge English Language Assessment: Certificate in Advanced English level C1

CENEVAL test: Outstanding performance

Education

Benemérita Universidad Autónoma de Puebla
BS in Mechatronics Engineering

Aug 2014 - Nov 2019
Puebla, México