



Manuel Fernando

Full-Stack Web Developer



Contact

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Education

- CareerFoundry GmbH
Full-stack Web Development
08/2023 - 08/2024
- Rhein-Waal Hochschule
B.Sc. Mechatronics Systems Eng.
09/2020 - 05/2023
Incomplete
- Universidad de Sonora
B.Sc. Mechatronics Engineering
08/2011 - 05/2017
- CBTIS 11
Mechatronics Technician Degree
08/2008 - 07/2011



Languages

- Spanish C2
- English C2
- German B2
- Greek A2

Profile

Full-stack Web Developer with more than a decade of Mechatronics experience, skilled in building responsive applications using modern web technologies and various front-end and back-end frameworks. Combines technical precision and innovative problem-solving to optimize performance and enhance user experiences. In addition, I am passionate about 3D printing and design, enjoys reading, and plays guitar.

Soft Skills

Proactive and quick to learn, I excel in strong communication and teamwork. My adaptability and self-management skills ensure efficient handling of tasks, while my problem-solving and critical thinking abilities help tackle challenges effectively.

Experience

Fullstack Web Developer

J&G Agency GmbH

02/2024 - 05/2024

- Developed frontends with Angular and VueJS, boosting user engagement.
- Built robust backends with Node.js, improving application performance.
- Contributed to planning and developing new applications, raising user satisfaction.

Systems Integration Technician

AMETEK, Inc. - Spectro Analytical Instruments GmbH

03/2022 - 06/2023

- Assembled high-tech elemental analyzers, integrating electronics, mechanics, and software, and improved assembly efficiency by 30%.
- Created detailed documentation for global markets.
- Led the department in assembly speed, reducing project delays by 30% and increasing throughput.

Materials Testing Technician

WTBrinkmann GmbH

11/2021 - Present

- Conducted non-destructive testing (VT, RT, MT, HT, UT, PT) on welded structures, identifying defects and increasing early defect detection.
- Evaluated and reported on structural integrity, enhancing safety compliance.
- Proactively took on additional tasks, maintaining high inspection standards and reducing errors by 20%.



Projects

• Event Discovery Platform

Meet App: Meet is a Progressive Web App for event discovery and management, integrating with the Google Calendar API. Built with React and following TDD/BDD practices, it offers city-based event filtering, offline functionality, and data visualization.

• Film Catalog Viewer

Marvel-Flix: This project is a front-end application built to interact with my movie database API. It allows users to browse movies, view details such as descriptions and manage their own favorite movie lists and profiles.

• RESTful API

Marvel-Flix API: This project is an API that serves as a backend for managing movie data. It includes endpoints for fetching movie details, searching for movies, and user authentication for managing favorites or ratings.

• Pokémon Encyclopedia

The Pokedex App is a web application that functions as a digital encyclopedia for Pokémon. It enables users to search and browse through different Pokémon species, view their characteristics, abilities, stats and save favorites.

- For more projects, please visit my website: manuel-fernando.com or contact me for additional details.



Skills

Development Technologies:

- HTML, CSS, JavaScript, Python
- React, Angular, Vue, Django
- Bootstrap, Vuetify, Angular Mat
- Node, Express
- SQL/NoSQL (PostgreSQL, MongoDB)
- React Native Development

Tools & Methodologies:

- Git
- Docker, Firebase
- AWS Lambda
- CI/CD
- TDD, BDD & OOP
- Scrum, Kanban
- Figma
- Heroku, Netlify

Experience

○ Kfz-Mechatroniker

LDJ KFZ Service BMW MINI

08/2021 - 01/2022

- Diagnosed and repaired electrical and mechanical systems in vehicles, achieving a reduction in repair turnaround time.

○ Production Technician

Aluxe Aluminum Solutions GmbH

08/2020 - 09/2021

- Manufactured precision aluminum components for design windows, slide doors, and terraces, increasing production efficiency by 25%.
- Operated CNC machines, leading to a 15% improvement in production times and maintaining high-quality standards.

○ Program Manager Assistant

Universidad de Sonora

09/2014 - 12/2018

- Assisted in organizing academic programs, resulting in an increase in student and faculty engagement.
- Collaborated with IT to streamline internal processes, improving response time to student requests.

○ Electronics Technician

Ford Motor Company - Assembly Plant

09/2012 - 12/2014

- Analyzed and repaired automotive electronic systems, programmed modules and keys, and repaired wiring and connectors, cutting assembly line downtime by 10%.
- Trained production line workers, leading to a 10% increase in overall assembly efficiency.

References Available Upon Request

If you would like more information about my previous roles, please let me know, and I'll be happy to provide further details.