

Francis Sanchez

-FullStack Developer-

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SUMMARY

Full Stack Developer with 4 years of hands-on experience building web applications with a strong focus on clean, efficient code. I specialize in JavaScript frameworks like React, Next.js, and Vue.js, and have solid experience with backend development using Node.js, Express, and PostgreSQL. Passionate about problem-solving and enjoy working on challenging algorithms to optimize application performance. Thrive in collaborative environments.

EDUCATION

Unapec University

Bachelor's Degree in Computer Science

- Data Structure and Algorithm, Data Analytics, Web Development

Dominican Republic

Jan 2018 - Aug 2023

Cornerstone College

Web Development Co-op Diploma

- Full Stack Development

Canada

Sep 2023 - Aug 2024

RELEVANT EXPERIENCE

Backend Developer

AloricaDR

Distrito Nacional, Dominican Republic

Oct 2022 – Feb 2023

- Developed and maintained RESTful APIs improving data retrieval times by 40% through efficient database queries
- Utilized PostgreSQL to design and optimize database schemas resulting in a 30% increase in query performance
- Integrated third-party APIs to expand service offerings, contributing to a 20% increase in customer satisfaction ratings
- Participated in code review and implemented best practices for clean code and software design, reducing bugs by 25%
- Facilitated weekly sync-ups with the team to track progress resulting in a 15% boost in overall productivity
- Automated testing procedures using Jest led to a 50% decrease in regression errors during deployments.
- Used Skills: Express, Sequelize, Stripe, PostgreSQL, Jest, Git

Frontend Developer

Freelance

Remote

May 2022 – Sep 2022

- Reviewed and optimized mobile responsiveness resulting in a 30% reduction in bounce rates across devices and enhancing overall user navigation
- Developed a web application that offers ride information, wait times, and tips for visitors to enhance their planning experience, incorporating feedback from 50 users to refine features and improve usability ratings by 40%
- Provided technical feedback on the park's digital platforms collaborating with a development team to address performance bottlenecks resulting in a 50% improvement in load times
- Analyzed visitor data trends using analytics tools working with marketing to develop strategies that increased visitor engagement by 20% during peak seasons
- Used Skills: React, Scss, RWD, API integration, Git, A/B testing

ADDITIONAL RELEVANT PROJECTS

Galaxy Surfers - 3D Inventory Management System

- Successfully implemented RESTful APIs to facilitate seamless communication between the front-end and back-end.
- Integrated 3D models using Three.js to enhance user engagement and interactivity
- Developed a robust backend with Node.js and Express following the MVC architecture with organized controllers, routes, and models
- Established database migrations to ensure smooth data transitions to the production environment
- Used Skills: React, TypeScript, TailwindCSS, Node.js, Express, PostgreSQL

[GitHub](#) | [Live Preview](#)

[YouTube video](#)

MERN-GTP-AI - Chatbot OpenAI API

- Developed a Chatbot application that enables seamless interaction with the GPT-4 model, providing intelligent conversational responses
- Implemented a robust user authentication system with login and signup functionalities, ensuring secure access through cookie storage upon successful submission
- Utilized JWT validation to maintain a secure and personalized user experience

- Used Skills: React, TypeScript, MUI, Node.js, Express, MongoDB, OpenAI

[GitHub](#) | [Live Preview](#)

Vidtube - Video Player Application

- Developed a Video Player application utilizing the YouTube API from RapidAPI, enabling seamless access to video content
- Implemented user authentication with basic login and signup functionalities to enhance user security and experience
- Features include:
 1. Vide detail page for in-depth information and playback
 2. Search functionality to easily discover videos based on user queries
 3. Channel detail page to showcase specific content creators and their videos
 4. Dynamic video feed integration to display trending and related videos
- Used Skills: React, TypeScript, Tailwind CSS, Node.js, Express, MongoDB, Jest

[GitHub](#) | [Live Preview](#)

Relevant Projects

Key Achievements

- ***Code Quality Improvement***
Achieved a 25% reduction in bugs and issues by establishing code review practices and adopting clean coding principles across the team
- ***Collaboration***
Facilitated weekly team meetings to improve collaboration and knowledge sharing resulting in a 15% increase in overall team productivity
- ***Successful Project Delivery***
Led the development of a video player application in under 20 days, successfully integrating the YouTube API and launching on schedule

SKILLS

Frontend: React, Next, Vue, Material UI, Tailwind CSS, Bootstrap, JS/TS

Backend: Node.js, Express.js, PostgreSQL, MongoDB

Others: Postman, Git, Jest, Firebase, Docker

Concepts: Clean Code, Algorithms

Soft Skills: Teamwork, Collaboration, Communication, Problem-Solving, Time Management, Planning