MARIA AZUCENA GARCIA RODRIGUEZ

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SUMMARY

Passionate full-stack web developer with a strong background in nephrology and healthcare technology integration. Combining over 20 years of medical experience with cutting-edge software development skills to build digital solutions that enhance patient care and healthcare accessibility. Currently completing a Full Stack Web Development certificate at Instituto Tecnológico de Monterrey.

TECHNICAL SKILLS

Programming: JavaScript (ES6+), HTML5, CSS3, TypeScript

Front-End: React, Redux, Bootstrap, Tailwind CSS

Back-End: Node.js, Express, RESTful APIs, PostgreSQL, MongoDB

Databases: SQL, NoSQL, MySQL, Firebase

Version Control & Deployment: Git, GitHub, Netlify, Render, Postman

Testing & Debugging: Jest, Cypress

AI & UI/UX: AI-Assisted Workflows, Responsive Web Design, Figma, Adobe Illustrator

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PROJECTS

Ayuda Renal - Nephrology Website (React, Bootstrap, Firebase)

Developed a fully responsive nephrology website integrating social media and SEO optimization, resulting in a 30% increase in patient engagement. Features telemedicine capabilities and a user-friendly appointment system.

Professional README Generator (Node.js, Express, Markdown, CLI)

Created a command-line tool that dynamically generates professional README.md files based on user input, ensuring consistency and improving documentation efficiency.

Weather Dashboard (JavaScript, OpenWeather API, Bootstrap)

Designed a real-time weather application that fetches and displays live weather updates, featuring local storage for search history and an intuitive UI.

Employee Tracker (Node.js, PostgreSQL, Inquirer.js)

Developed a command-line interface application that efficiently manages employee databases, allowing users to view, add, update, and delete employees and departments.

EXPERIENCE

Nephrologist & Healthcare Consultant

Private Practice | Córdoba, Veracruz (May 2023 - Present)

- Developed telemedicine platforms to improve healthcare accessibility.
- Led digital projects focusing on kidney disease management, dialysis, and transplant care.
- Integrated AI-assisted workflows to enhance medical presentations and patient education.

Hemodialysis Unit Manager

General Hospital Córdoba Yanga | Veracruz Health Dept. (May 2023 - Oct 2023)

- Managed dialysis treatments for 100+ patients, implementing new medical technologies for improved outcomes.
- Led a multi-disciplinary team, ensuring compliance with healthcare regulations.

EDUCATION

Full-Stack Web Development Certificate (In Progress, 2024)

Instituto Tecnológico de Monterrey

Bachelor's in Computer Systems Engineering (2024)

Instituto Consorcio Clavijero

Specialization in Nephrology (2002)

School of Medicine UNAM

Master's in Health Institutions Administration (2016)

Instituto de Estudios Universitarios

CERTIFICATIONS & COURSES

Advanced JavaScript & ES6+ (Udemy, 2023)

React Frontend Development (Codecademy, 2023)

AI-Assisted Presentations & Workflow Automation (Domestika, 2023)

LANGUAGES

- Spanish (Native)
- English (Fluent)

- French (Basic)

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