Emanuel Gómez Díaz

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LinkedIn GitHub

About me

I am a Fullstack Web Developer and Software Analyst with technical training in programming and technology in software analysis and development. Specialized in handling a frontend stack that includes React.js, Material UI, Bootstrap, CSS, HTML, and WordPress, as well as various graphical libraries. In the backend, I am proficient in technologies like JavaScript, TypeScript, Python, Java, C#, Node.js, and Yarn. Additionally, I have experience in managing relational and non-relational databases such as PostgreSQL, MySQL, and Firebase. My skills extend to software architecture, server management, technical documentation, and the implementation of agile methodologies, with a focus on efficient prototyping and delivering high-quality solutions.

Profesional Experience

Coordinadora Mercantil

Software Developer | August 2023 - February 2024

- Optimized multiple microservices by implementing Redis as a temporary server to cache queries, significantly improving efficiency and response times by 90%.
- Developed software for both frontend using React.js, TypeScript, and Material UI, and backend using TypeScript.
- Provided support for software services, servers, and performed software migrations.
- Conducted detailed software analysis and collaborated in agile teams using SCRUM and XP.
- Utilized hexagonal architectures in the backend and atomic design in frontend development.
- Led a technical team for the development of an enterprise platform, managing resources, timelines, and deliverables to ensure project success.
- Documented multiple microservices using Swagger and diagrams. Used Docusaurus to create an interactive website documenting frontend components based on atomic design.

Personal Experience

In my spare time, I have worked on various software projects and participated in competitions, applying my skills in robotics and software development. Some of my achievements include:

- Third Place: Samsung Soluciones para el Futuro (2020)
- Developed a UV light attraction system for the Aedes Aegypti mosquito.
- National Inventor Award in Colombia (2020):
- Developed an electronic nose to detect ammonia in anti-mine robotic legs.
- National Inventor Award in Colombia (2019):
- Developed a robotic helmet with 3D glasses to prevent violence and addictions, integrating robotic technology and holograms.
- Second Place: WorldSkills (2022)
- Participated in the application development area in Java at the regional level, securing second place in the competition.

For more details on my projects or competitions, visit my GitHub and LinkedIn profiles.

Education

Sena - Technical Degree in Software Development
2020 - 2021 | Medellín

Sena - Technologist in Software Analysis and Development
2022 - 2024 | Medellín

Technical Skills

- Languages: TypeScript, JavaScript, Java, Python, C#
- Frameworks: React.js, Vue.js, Node.js, Yarn, Redis, WordPress
- Databases: PostgreSQL, MySQL, Firebase
- Others: Software Architectures, Software Analysis, Unit Testing, Software Documentation, Prototyping with Adobe XD, Agile Methodologies (SCRUM, XP), Hardware Knowledge, English B1, Design Patterns, Arduino.