Javier Andrés Gamboa Duarte

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Date of birth: 09/12/1993   **Nationality:** Colombian, Portuguese

ABOUT ME

As a Frontend Developer with a strong background in Mechatronics and Industrial Automation Engineering, I possess a unique combination of technical skills and problem-solving abilities that allow me to create exceptional user experiences. I am a passionate web developer who is always striving to learn new skills and stay ahead of the curve. I stay up-to-date with the latest tools and technologies and am constantly looking for new ways to improve my skills. Likewise, I am a proactive person who enjoys working collaboratively in a team environment. I have excellent communication skills and am able to work effectively with designers, project managers, and other developers to ensure that projects are completed on time and to the highest standards.

WORK EXPERIENCE

[07/2021 – 04/2023]

React Developer

Serempre S.A.S

City: Bogotá

Country: Colombia

- Development of single page web apps with React.
- Building reusable components following best practices and clean code architecture for maintainable and scalable solutions.
- Translating designs into high-quality code with attention to detail and user experience.
- Collaborating in Agile development environments using Scrum methodology to deliver iterative and value-driven software.
- Troubleshooting interface software and debugging application code to resolve issues promptly.
- Experience working with JavaScript/TypeScript, Material UI, Tailwind CSS, and other relevant technologies.

[02/2020 – 04/2021]

Industrial Automation Engineer

TRICAD

City: Aveiro

Country: Portugal

- Commissioning of the automated systems designed by the project team.
- Programming of PLCs, sensors, cameras and user interfaces required by the client, for the control of automated machines designed by the company.
- Verification of the electrical, pneumatic or hydraulic diagrams, developed for each of the automated machines.
- Carrying out corrective or preventive maintenance, according to customer needs.

EDUCATION AND TRAINING

[31/08/2017 – 30/11/2019]

Master in Industrial Automation Engineering

University of Aveiro https://www.ua.pt/en/course/124

Address: Aveiro, Portugal
- Advanced technical training for the conception and development of automated machines and the integration of systems with robotized and perception units.
- Design of industrial vision systems, namely selections of equipment and techniques adequate to a variety of real problems.
- Comprehensive knowledge in the field of intelligent and mobile robotics.
- Develop of a Gateway for the Industry 4.0 that facilitates the vertical integration of devices in the field of industrial automation.

[31/08/2014 – 30/06/2017]

Bachalor in Mechatronics Engineering

University of Évora https://www.uevora.pt/en/study/courses/bachelors-and-integrated-master-degrees?curso=2571

Address: Évora, Portugal
- Solid knowledge in several areas, such as project and mechanical construction, electrotechnical engineering, software development with Python, robotics and industrial automation.
- Skills in the use of software such as AUTOCAD, for the realization of mechanical design and SIMATIC STEP 7, for the programming of SIMATIC PLCs.
- Development of soft skills for assertive communication and other competences, such as the capacity for autonomous learning, critical thinking and resilience.

LANGUAGE SKILLS

Mother tongue(s): Spanish

Other language(s):

Portuguese

LISTENING C2 **READING** C2 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

English

LISTENING B2 **READING** B2 **WRITING** B1

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

DIGITAL SKILLS

Web Development HTML 5 CSS JavaScript | Microsoft Office | Linux Ubuntu | GIT (GitHub) | React Hooks React Router React Redux | Typescript (Intermediate)

PROJECTS

Master's degree final project

"*Gateway Industry 4.0*"

Development of Modbus gateway that allows a direct connection between a PLC and a database hosted in the cloud. The project was developed using the C / C ++ language, for the development of the Modbus server. In addition, the JavaScript language through Node.js was used to implement communications with the database and the gateway's webpage configuration server.