



CARLOS A. GARCIA

Software Engineer | Front-End Engineer

PROFILE

I'm a highly skilled Software Engineer specializing in Front-End Development. With a passion for creating intuitive and visually stunning user interfaces, I strive to deliver engaging and seamless user experiences.

My strong problem-solving abilities, attention to detail, and ability to work collaboratively make me a valuable asset to any team.

CONTACT

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RELEVANT SKILLS

Advanced:

- JavaScript (React, Next, Vue, Redux, Node, TypeScript)
- HTML & CSS
- SQL (MySQL, PostgreSQL)
- Python
- VBA
- Power Platform (Power Apps, Power Automate, Power BI)
- Software Development Life Cycle
- Agile Methodologies
- Object Oriented Programming
- Functional Programming
- Teamwork

Familiar:

- C++
- C# (.NET)

Tools:

- VS Code
- Terminal (Bash, PowerShell)
- Git & GitHub (CI / CD)

Languages:

- English, Fluent
- Spanish, Native

EDUCATION & CERTIFICATIONS

Front-End Engineer Professional Certification

Codecademy

Feb-2023

Relevant Skills: JavaScript, HTML, CSS, React, Redux, Data Structures, Algorithms, Git & GitHub

Bachelor of Science in Engineering

University of Puerto Rico, Mayagüez

Jun-2020

GPA:

3.92/4.00

Relevant Skills: Python, C#, C++, Critical Thinking, Analytical Skills, Problem Solving, Teamwork

PROJECTS

Netflix Clone



Personal Project

- Developed a Netflix Clone that features authentication
- Built with **Next.js**, **NextAuth.js**, **MongoDB**, **Prisma** and **Tailwind CSS**.
- Deployed using **Vercel**.

Line Reporting Automation Project

At Boston Scientific

- Developed Dashboards that automatically reports manufacturing line performance numbers and analytics.
- Built using **Power BI**, **Power Automate**, **Python**, and a company **SQL Server**.
- Saving the company over \$500k a year by reducing the time spent scraping through excel files and eliminating repetitive work.

WORK EXPERIENCE

Manufacturing Engineer – Developer – Full time

At Boston Scientific, Spencer, IN

Aug-2021-Present

- Developing Applications with **Python** that interact with **SQL servers** to monitor manufacturing line performance and generate reports.
- Using **Python**, and **Power BI** to create reports that helps the core team respond to daily manufacturing issues, and drive projects.
- Leading **data analysis** efforts and identifying trends on the data retrieved from **SQL servers**.

Validation Engineer – Full time

At FITS, LLC, Contract with Bristol-Myers Squibb, Manatí, PR

Nov-2020-Aug-2021

- Worked directly with project managers to complete engineering projects within schedule and budget constraints.
- Developed testing protocols for new equipment, and new software to ensure project requirements were met.
- Created **VBA programs** to automate repetitive work done when creating testing protocols and excel reports.