

Sebastian Arteaga

Software Developer

Portfolio

✉ sarteaga0415@gmail.com

☎ +57-323-3932106

🌐 Medellín - Colombia

Experience

FlexMate · Full Stack Developer

Feb 2024 - Present

- Worked developing full-stack application to assist gym owners with monitoring their members' progress, utilizing React, Material UI, Express.js, and MongoDB.
- Extended the functionality by refactoring the application for easier scalability and management to Next.js, using TypeScript, Shadcn, and Vercel Postgres for the SQL database and continuous deployment.

Splitease · Full Stack Developer

Jan 2024 - Apr 2024

- As part of a five-person team we built a application in Next.js, I was engaged in the agile development cycle, implementing front-end and back-end components, using TypeScript and SQL ensuring cohesive user experiences.
- Designed and implemented client and server components and serverless functions.

Bancolombia · Software Engineer

Jan 2023 - Jul 2023

- At Bancolombia, I worked in the analytics team responsible for managing the small, medium and large companies which where more than 300,000 companies.
- I built web scrapers using Python, Selenium, Pandas, and NumPy to gather valuable information for other analytics teams in the bank saving 10+ weekly hours of manual work.
- Collaborated with my teammates to support, maintain, and fix problems with more than 100 SQL queries that classified all the commercial opportunities of the companies.

Projects

Reciplease · Full Stack Developer

Feb 2024 - Mar 2024

- Contributed to a three-person team, Refactoring from JavaScript to TypeScript an application for recipe management.
- Extended the application's functionality by integrating additional backend endpoints and added comprehensive testing with Jest for the Back-end, Vite and Cypress for the Front-end.

5 bar CNC Machine

Jul 2022 - Dec 2022

- University group project where we designed and built a five bar mechanism that worked as a CNC machine.
- Using Matlab and the Jacobian matrix with Newton Raphson theory, I produced various codes to control this machine based on a basic G-code.

Research Assistant Eafit

Jan 2021- Aug 2021

- Worked as a research assistant for a university group, that was hired to design and build a knot tying tool, I designed and produced a 3D printed case for the machine.

Skills

- TypeScript/JavaScript
- React - Next JS
- Express JS
- SQL with PostgreSQL
- MongoDB with Mongoose
- CI/CD - Testing
- Agile Methodologies
- Python - NumPy, Pandas, Selenium, SciKit-Learn, Matplotlib, PyTesseract.
- Matlab, Arduino
- Spanish native, English fluent

Education

CodeWorks

Dec 2023 - Apr 2024

- I spent four enriching months at Code Works, where I specialized my technical knowledge of software engineering. During this time, I learned and created full-stack web applications with multiple developers from around the world, specifically in React, Express, TypeScript, Vite, and Next.js.

Eafit University Emphasis Software Development

Jan 2022 - Apr 2024

- A semester of software development specialization where I learned Agile Methodologies, Software Architecture, CI/CD, UX design, Machine Learning and safe software design.

Eafit University Bachelor - GPA 4.2

Aug 2018 - Dec 2023

- Bachelor of Mechanical Engineering at EAFIT University, where I learned and completed numerous projects and had an immersive experience with various programming languages such as Python, Arduino, MATLAB, R, and more.

Teacher Assistant for Descriptive Geometry Eafit

Jan 2019 - Jun 2020

- Worked as a teacher assistant where I taught classes and graded quizzes, class practices and workshops. I also accompanied the students throughout the semester with their class projects.