

Sebastian Arteaga

Full-Stack Web Developer

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🌐 Medellín - Colombia

Experience

FlexMate · Full Stack Developer

Feb 2024 - Present

- Designed and delivered a full-stack application to assist gym owners with monitoring their members' progress, utilizing React, Material UI, Express, MongoDB, and Mongoose.
- Refactored the entire 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

- Developed a full stack application in Next.js using TypeScript and a SQL database, with continuous deployment on Vercel.
- As part of a five-person team, I was engaged in the agile development cycle, implementing front-end and back-end components, ensuring cohesive user experiences.
- Designed and implemented serverless functions.

Bancolombia · Data Analyst Internship

Jan 2023 - Jul 2023

- At Bancolombia, I worked as a data engineer in an analytics team responsible for managing the analytics for more than 300,000 companies in the bank.
- I built four web scrapers using Python, Selenium, NumPy, and Pandas to gather valuable information for other analytics teams in the bank saving 10+ weekly hours of data scraping.
- I also 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 - MUI
- Express JS
- SQL with PostgreSQL
- MongoDB with Mongoose
- CI/CD - Testing
- Agile Methodologies
- Component Architecture
- Python - NumPy, Pandas, Selenium, SciKit-Learn, Matplotlib, PyTesseract.
- Matlab, Arduino
- Spanish native, English fluent

Education

- **Eafit University Bachelor - GPA 4.2** *Aug 2018 - Apr 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.
- 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.
- 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.
- 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, Vue, and Next.js.