

# Sebastian Arteaga

## Software 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.js, and MongoDB.
- 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 · Software Engineer

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 web scrapers using Python, Selenium, NumPy, and Pandas to gather valuable information for various 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

#### 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.

#### 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.

### 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

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## 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.

## 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.