

# Erick Barcelos

Software Engineer

[Portfolio](#)

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## Education

### University of São Paulo - 1# QS Latin America & The Caribbean Ranking

Bachelor of Science in Information Systems | 2019 - 2025

## Skills

**Programming Languages:** Javascript, Typescript, C, Python, Java, C#

**Tools:** React, React Native, NextJS, MongoDB, PostgreSQL, Git

**Languages:** Portuguese (Fluent), English (Intermediate)

## Experience

### Software Engineer Intern

BTG Pactual - Latin America's Leading Investment Bank | May 2023 - Present

- Developed internal sales system (BSM) for bank's exchange sales management.
- Led refactor project, implementing design patterns and modern architecture for enhanced maintainability, scalability, and security.
- Development tasks with minimal guidance, utilizing the entire .NET environment to ensure optimal performance and efficiency.

### Software Engineer Intern

Stealth Startup - Applicant Tracking System Startup | February 2023 - May 2023 (4 months)

- Collaborated with Kenoby's Founders to develop an innovative system with advanced features.
- Created the MVP prototype using Figma.
- Developed 70% of the MVP's front-end using React and Next.js, implementing SSR for system core and SPA for hiring sites of companies clients.

### Undergraduate Research in WEB

ThesisAnalytics - University of São Paulo Research Project | November 2022 - August 2023 (10 months)

- Internal USP app for contextual thesis search using language models and Apache Solr. Provides analytical keyword comparisons too.
- Developed front-end to aid users in thesis search and keyword analysis.

### Full Stack Developer

ICMC Júnior - Junior Enterprise of the University of São Paulo | February 2021 - January 2023 (2 years)

- Sale of the Air Conditioning project, an app for a company to manage air conditioning installations.
- Full conception of the app, including requirement modeling and defining quality attributes.
- Development of the Air Conditioning app using React Native and Node.js.

## Projects

### tripper

Trippler is a React Native application designed to showcase routes for road trips that traverse scenic landscapes, restaurants, or tourist attractions. Users have the ability to create and share their own routes, with the added feature of voting on routes to elevate their visibility within the community.

### portifolio

Crafted with Next.js and styled with Tailwind CSS, my personal portfolio serves as both a testing ground for frontend explorations and a showcase for my projects and accomplishments. Explore my work and journey through the interactive display of my skills and achievements.

### secret-santa

Created with Node.js and React, secret-santa is a web application that emulates the popular gift-giving game. Users can easily register their names and emails, and the application autonomously conducts the drawing. Once complete, the results are sent via email, revealing each participant's gift recipient in the game.