# Nicolas Beraldo

Automation and Systems Development Analyst

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## Summary

Computer Engineer with over 3 years of experience, working in challenging and high-performance environments. Specialist in Full-Stack development and legacy system modernization, leading projects with continuous quality improvements that resulted in increased scalability and operational efficiency. Skilled in collaborating with multidisciplinary and results-driven teams, applying modern and effective solutions to solve complex problems. Seeking new opportunities to learn, grow, and contribute.

## Experience

**IT Fund Analyst**, BTG Pactual                                          04/2022 - 06/2024

- Led the development of a Full-Stack system (C#, React, MySQL, SQL Server, and RabbitMQ) for report management, ensuring contractual compliance and mitigating financial risks related to adding a fund manager to the company's portfolio.
- Modernized legacy systems using microservices (C#, MySQL, RabbitMQ), increasing the scalability and operational efficiency of fund calculation systems by 40%.
- Developed and executed unit and integration tests, ensuring continuous quality through CI/CD pipelines integration.
- Collaborated with business teams to maintain and enhance VB- and SQL-based systems, guaranteeing service quality and avoiding rework.
- Managed Excel macros and SQL queries for 60% of offshore capital flow, ensuring efficiency and accuracy.

**IT Fund Intern**, BTG Pactual                                          05/2021 - 04/2022

- Implemented improvements in Excel macros and Access/MySQL databases, optimizing processing times by 60%.
- Initiated the development and implementation of unit tests in C#, contributing to service quality.

**IT Automation Intern**, BTG Pactual                                     01/2021 - 05/2021

- Developed UiPath automations, reducing repetitive task execution times by 25 hours daily.
- Created a Teams bot for web scraping and automated news delivery, optimizing internal communication and reducing the time spent searching for relevant information.

**Volunteer Researcher**, Lab of Software and Hardware Integration - UFSC   01/2019 - 01/2020

- Researched the feasibility of the uDev system using Sigfox technology, developing base code for testing.
- Conducted field tests, producing reports on signal quality and system feasibility.

## Education

**Bachelor's in Computer Engineering**, Federal University of Santa Catarina   03/2015 - 03/2022

- **Coursework:** The objective of the degree program is to train engineers to design, develop, implement, and manage computational systems. This includes the development of software systems, hardware systems, and systems that integrate both software and hardware in their project designs.

## Skills

**Languages:** Portuguese (Native), English (Fluent), Spanish (Fluent)

**Programming Languages:** C, C#, Python, SQL, VHDL, VB, VBA, LaTeX

**Databases:** SQL Server, MySQL, MongoDB, Access

**DevOps Tools:** Kubernetes, Docker, UiPath, Datadog

**IoT and Automation:** Arduino, Raspberry Pi, ESP