Nicolas Beraldo

Software Engineer

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Summary

Computer Engineer with over three years of experience, working in dynamic, high-performance environments. Specialized in Full-Stack development and legacy system modernization, leading projects with continuous quality improvements that led to greater scalability and operational efficiency. Skilled in collaborating with multidisciplinary and results-driven teams, applying modern solutions to tackle complex challenges.

Skills

- **Languages:** Portuguese, English, Spanish
- **Programming Languages:** C, C#, Python, SQL, VB, VBA, HTML, CSS, JavaScript
- **Frameworks:** .NET Framework, FastAPI, Selenium, React, UiPath, Entity Framework, XUnit
- **IoT and Automation:** Arduino, Raspberry Pi, ESP
- **Databases:** SQL Server, MySQL, PostgreSQL, MongoDB, Access
- **DevOps Tools:** Kubernetes, Docker, Datadog, SonarQube, Jira, Salesforce
- **Soft Skills:** Dedicated, Sociable, Adaptable, Sense of ownership, Critical thinking

Experience

- **IT Analyst**, BTG Pactual, São Paulo, SP, Brazil — 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 associated with integrating a new fund manager to the company's portfolio.
  - Led the modernization of the reporting system, transitioning from SQL procedures to a microservices architecture, resulting in a 50% reduction in execution time and enabling parallel report generation.
  - Modernized legacy systems using microservices (C#, MySQL, RabbitMQ), improving system scalability and operational efficiency of fund calculation systems by 40%, while also enabling automated processes.
  - Developed and executed unit and integration tests, ensuring continuous quality through CI/CD pipeline integration, and achieved 100% code coverage for the domain logic.
  - Analyzed system performance using Datadog to optimize cost efficiency while balancing availability and scalability, leading to a 30% reduction in system costs.
  - Collaborated with business teams to maintain and enhance VB- and SQL-based systems, ensuring service quality and avoiding rework for the business teams.
  - Managed Excel macros and SQL queries for 60% of offshore capital flow, ensuring efficiency and accuracy.
- **IT Intern**, BTG Pactual, São Paulo, SP, Brazil — 05/2021 - 04/2022
  - Initiated the development and implementation of unit tests in C#, contributing to service quality.
  - Optimized Excel macros and SQL queries, cutting processing time by 60%.
  - Developed automation scripts to streamline code changes, reducing link update time by 80%.
- **Automation Intern**, BTG Pactual, São Paulo, SP, Brazil — 01/2021 - 05/2021
  - Developed RPA automations, reducing the execution time of repetitive tasks by 25 hours daily.
  - Created a Teams bot for web scraping and automated news delivery, optimizing communication and reducing the time spent searching for relevant information.

Education

- **Bachelor's in Computer Engineering**, Federal University of Santa Catarina — 03/2015 - 03/2022
  - **Coursework:** This program prepares engineers to design, develop, implement, and manage software, hardware, and integrated systems, ensuring efficient and innovative computational solutions.
  - **Thesis:** Reinforcement learning applied to controlling variables in a greenhouse 🔗

Volunteer Work

- **Tech Journey**, BTG Pactual, São Paulo, SP, Brazil — 07/2023 - 12/2023
  - Mentored two people with disabilities, defining KPIs and weekly progress reports.
  - Provided technical support and programming guidance, assisting in the development of the final project, a card management system.