Hugo Folloni Guarilha

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Goals

- Curious and focused, I enjoy teamwork and collaboration to develop solutions, share knowledge, and connect with great programmers, managers, and professionals. I am seeking opportunities as a Full-Stack Developer to grow and enhance my skills.

Skills

- JavaScript | TypeScript | React | C# | .NET | Python | Django | Node | Express | Redux | NextJS | PostgreSQL | SQL Server | MongoDB | Git
- Frontend | Backend | Full-Stack | SQL | NoSQL | Docker | Scrum | Agile | English and Portuguese – *Professional proficiency or above*

Experience

| **Software Engineer Intern** | **BigDataCorp** | *Rio de Janeiro, Brazil* | **06/2024 - current** |

- Developed maintainable and scalable web pages using **React** + **Redux**, delivering a pleasant and practical user experience for the system's user, while improving code readability and user engagement with the system..
- Implemented core API routes in **C#** + **.NET + MongoDB** for database queries and subsequent data provision to the front-end, dealing with critical information associated with foundational systems of the company, Latin America's largest data technology company.
- Refactored outdated code, integrating modern technologies and methods to achieve this goal, improving system maintainability.

| **Scientific Research Fellow - ETL** | **COPPETEC** | *Rio de Janeiro, Brazil* | **06/2023 - current** |

- Designed and maintained **Talend** jobs to automate processes for data extraction, transformation, and loading (**ETL**).
- Managed high-impact **database** operations, including insertions and corrections in production environments of a major public institution, ensuring data integrity and operational reliability.
- Led the development of solutions for workspace sharing, creating a method to host the **Talend** application in **Docker containers**..

| **Scientific Research Fellow - Development** | **Machine Teaching** | *Rio de Janeiro, Brazil* | **02/2022 - 12/2024** |

- Optimized multiple dashboards consolidating user data, using **Django** and **JavaScript** libraries, reducing load times by over 70% and significantly enhancing usability for both students and instructors in a core educational platform for university-level programming courses.
- Automated **interface** and **backend tests**, establishing a foundation for the continuous improvement of system processes.
- Developed new features, including tools for tracking student and teacher progress and satisfaction surveys.

Education

| **Bachelor of Science** | **Universidade Federal do Rio de Janeiro** | *Rio de Janeiro, Brazil* | **02/2021 - 11/2025** |

- Major in Computer Science (Top-ranked university in Brazil, recognized for excellence in Science and Engineering fields)

Projects

- **yze.bio:** Developed a minimalist business card creator using **JavaScript**, **React**, **.NET**, and **PostgreSQL**, with extensive layout and information customization. The platform's primary goal is to store and share user details, helping distribute followers across social networks.
- **wedding-gifts:** Built a web application and API for wedding gift management using **JavaScript**, **React**, and **Node.js**. Couples can create gift lists, while guests can view and purchase items with integrated PIX payments. Successfully used in a real wedding event in May 2024.
- **spotify-multiverse:** Developed a full-stack application using **React**, **Flask**, and **PostgreSQL** to help users discover new songs based on their favorite playlists. The system applies linear algebra to analyze song attributes generating personalized recommendations.
- **wiki-analysis:** Developed a Wikipedia article categorization tool using **React**, **Node.js**, **Python**, and **PostgreSQL**. The system analyzes article content, compares it with existing data, and determines its category using linear algebra, continuously learning from new requests.

Freelancer

- **Instituto de Proteção ao Jogador:** Developed the complete system for a psychological project aimed at helping individuals with gambling addiction, in partnership with Brazilian betting companies.
- **UFRJ — LARHCO:** Developed a research institute's web platform, integrating database information with reliable user experience.
- **Bracell — Floresta Sempre Viva:** Developed an interactive, fluidly animated website to showcase an environmental project aimed at protecting Brazilian forests, in association with one of the biggest paper companies in the country.

Others

- **Best Presentation Award** – Recognized at SIAc 2024 for the study "Testes de Servidor no Machine Teaching" (12/2024).
- **Certificate of English Language Proficiency C2**: The highest-level certificate of English proficiency **(02/2025)**