

Umberto Tenório de Barros Filho

vmberto.com | umbertobarrosf@gmail.com | +55 (81) 99894-8848 | Recife, Brazil

Education

Master of Science, Computer Engineering, Computational Intelligence
Universidade de Pernambuco, Brazil | 2023 - Present

Bachelor of Science, Computer Science

Universidade Católica de Pernambuco, Brazil | 2017 - 2022

- CNPq Volunteer Researcher: Studied Convolutional Neural Networks for cerebral tumor classification using MRI datasets, conducted performance analysis on various models, and assessed architectural modifications' impact on outcomes.
- Published the undergraduate thesis in the 2023 IEEE Latin American Conference on Computational Intelligence (LA-CCI), titled: *Regularizing Neural Networks with Noise Injection for Classification of Brain Tumor in Magnetic Resonance Imaging*.

Experience

Mercado Libre, LATAM | Software Engineer | 04/2023 - Present

- Utilized the company's internal Server Side Rendering (SSR) framework to create dynamic and performant applications, using technologies such as Apollo GraphQL, React, TypeScript and Storybook.
- Work closely with the UX/UI design team to implement visually appealing and user-friendly interfaces.
- Collaborate with DevOps and Site Reliability Engineering teams to monitor, log, and troubleshoot issues using tools such as New Relic, DataDog, and Kibana.

Thoughtworks, Brazil | Software Development Consultant | 05/2021 - 04/2023

- Streamlined test execution time by optimizing dependency tree imports and enhancing code structure through the refactoring of barrel files. This led to an 90% reduction in test execution time for a React application used by an US fintech client;
- Collaborated with a diverse multinational team while working with a top-tier Computer Manufacturer client. Led efforts to enhance automation tests for microfrontends, ultimately achieving an exceptional test coverage to the entire application, soaring from less than 50% to an impressive 95%.

Pitang AgileIT, Brazil | Software Engineer | 06/2020 - 05/2021

- Conceived an Angular frontend for a C# .NET microservices architecture, by creating a central lib to unify modules, services, components and others, achieving a scalable software with a very clean codebase and high code reuse.

Salvus, Brazil | Software Engineer | 03/2019 - 06/2020

- Collaborated on the development of an IoT healthcare system to guarantee remote and real time oxygen management, making it possible to plan efficiently to change cylinders without the risk of lacking oxygen, reaching savings up to 40%.

Mangue3, Brazil | Software Engineer | 05/2018 - 03/2019

- Maintained and optimized internal systems from an airline tickets company, enhancing administrative processes.

Skills

Next.js, TypeScript, Cloud Computing (AWS, GCP), React, GraphQL, Datadog, New Relic, Docker, Angular, Node.js, CMS, MongoDB, DynamoDB, PostgreSQL, Python, GoLang, Tensorflow

[github](https://github.com) | [linkedin](https://www.linkedin.com/in/umberto-barros-filho) | [stackoverflow](https://stackoverflow.com/users/1048442/umberto-barros-filho) | [adplist mentor](https://adplist.com/mentor/umberto-barros-filho)