

Antonio Brasília de Araújo Alves



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Professional resume

Developer, always keeping up to date and looking for information on the latest technologies. A year of front-end development in the marketing department of Hospital Universitário Alzira Velano, where I restructured from scratch the layout and back-end of the web page. With the techniques used, I was able to increase the performance of the site, both in terms of efficiency and design. And after that, I worked with medium/large projects on the MAIS Platform, with an emphasis on the front-end, always trying to keep the code clean and well-structured, with efficiency and usability above all, aiming not only for the benefit of the client, but also of the company. I'm currently working on Symplicity, being an Frontend developer, with focus on accessibility. The product I'm working is an website designed for USA college's who need to make accommodations for people who need special cares. The project is in large scale, with great colleges such like Harvard, MIT, Yale, etc...

Qualification

Bachelor degree in Computer Science

Institute: José do Rosário Vellano University; Alfenas – MG

Duration: 2022;

Professional history

2022 august – today

Frontend developer,

Company: *Symplicity – Arlington, Texas*

- Front-end development involved utilizing React 16-17, Angular 13, TypeScript/Javascript, HTML5, and LESS/SCSS, with React employed for constructing smaller project components with less complex code, while Angular was utilized for building reusable and flexible code that could be applied across various projects;
- Backend development primarily involved PHP, with a focus on retrieving user information, although specific details regarding this aspect are confidential;
- Conducted tests using JEST to ensure the functionality and correctness of the system;
- Accessibility knowledge encompassed familiarity with major screen readers such as JAWS, Chrome-Reader, IOS reader, and VoiceOver, with a focus on enhancing accessibility through the utilization of semantic HTML attributes like aria-label, aria-describedby, aria-owns, aria-controls, etc., to ensure compatibility and usability for user's reliant on-screen readers.
- Completed UI/UX tasks using Figma, involving the creation of small designs upon request;
- Met accessibility standards such as those set by W3C, following the POUR principle and WCAG guidelines, were implemented to enhance accessibility, ensuring adherence to semantic correctness for improved SEO performance;

2020 december – 2022 august

Front-end developer

Company: *MAIS – Vendas e Serviços – Alfenas*

- Utilized React 15 and Angular 8 for front-end development. We used TypeScript/Javascript, HTML5, and LESS/SCSS too. React was for making single-page applications, like landing pages. Angular handled more complex web systems, like login/signup and different user roles (client, manager, admin). We also used lazy loading to make pages load faster;
- Conducted tests using JEST, primarily focusing on the single-page application (SPA) pages to ensure the correctness and accuracy of all components and functionalities;
- Used Node.js and .NET Core with MVC architecture and repository pattern, for backend development. Managed user operations (create, read, update, delete) and supported e-commerce features like shopping carts and product registration. Integrated external APIs for product updates and scheduled cron jobs to keep the database current. Also, integrated payment methods like Strapi, MercadoPago, and PayPal for checkouts;
- Employed the MVC pattern to simplify database queries and data processing, resulting in the creation of a RESTful API that could be consumed by other applications;
- Performed database queries using PostgreSQL and MongoDB. Utilized PostgreSQL to store and manage user information within the application, while MongoDB was employed to handle products, purchases, and related data;
- Utilized AWS cloud services for our photo storage deployment and our CD/CI pipeline, which were hosted in an AWS S3 bucket;
- Employed the FTP protocol, facilitated by FileZilla software, to store some older projects on a server;

- Undertook regularly Code refactoring to enhance the user experience, consistently improving code clarity for easier comprehension and greater reusability;
- Completed UI/UX tasks using Figma, entailing the creation of small designs upon client requests for new features

2019 november – 2020 october

Front-end developer

Company: *Hospital Universitário Alzira Velano – Alfenas*

- Maintained and updated existing information, with the aim of enhancing performance for customers;
- Revised the code for improved clarity, drawing inspiration from the Clean Code Book. Additionally, he enhanced the HTML semantics, incorporating elements such as <header>, <nav>, etc., to optimize it for SEO. Furthermore, he restructured the information as per the marketing team's new requirements;
- Utilized, in past front-end development initiatives, JavaScript, HTML5, CSS3, Bootstrap, and jQuery. We actively streamlined styling by utilizing utility classes in HTML. Moreover, we modernized the codebase by incorporating techniques like destructuring and the spread operator. To facilitate DOM manipulation within the website, jQuery was effectively employed;
- Centered back-end development around Node.js. The backend system for the hospital involved querying the SQL Server database to retrieve content for each page. CRUD operations were implemented for managing patients, doctors, and appointments;
- Utilized the SQL Server database to ensure the maintenance of all hospital records, keeping them updated.

Skills

- React (versions 15, 16-17);
- Angular (versions 8, 13);
- TypeScript;
- JavaScript;
- HTML5;
- LESS;
- Bootstrap;
- jQuery;
- UI/UX Design (Figma);
- W3C Standards;
- POUR Principle;
- WCAG Guidelines;
- Screen Reader Experience (VoiceOver, JAWS, Chrome-Reader);
- Semantic HTML Attributes (aria-label, aria-described by, aria-owns, ariacontrols);
- Node.js;
- .NET Core;
- PHP;
- MVC Architecture;
- Repository Pattern;
- PostgreSQL;
- SQL Server;
- MySQL;
- MongoDB;
- JEST;
- Git (GitHub, BitBucket/SourceTree);
- AWS;
- Azure
- REST/RESTful;
- RxJs;
- NgRx;
- Utility Classes Pattern;

- CSS3;
- SCSS;
- LESS;
- OAuth;
- Cookies Services;
- JWT;
- Local Storage;
- Utility Classes Pattern;
- Advanced English;