São Paulo, Brazil
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Randal A. Nunes

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Senior software engineer with over 6 years of experience in full-stack development. Strong background in TypeScript, React.js, Node.js, Web3, and Flutter. Proven track record of delivering high-quality, scalable solutions that improve performance and efficiency.

Technologies and Languages

- Languages: JavaScript, TypeScript, Dart, Solidity, Rust, Python
- Technologies: React.js, Next.js, Node.js, Flutter, React Native, Jest, MongoDB, PostgreSQL, Heroku, AWS, Git, Docker, Sentry, Hardhat

Work Experience

Senior Software Engineer   **EasyBuy**   **Jan 2024 – Present**
Contract Role, Remote   Florida, USA

- Developed several pages and features for the website, including account login, cart, menus, search and much more.
- Integrated the WMS the company was already using with Shopify using Node.js, TypeScript, Prisma and PostgreSQL.
- Hired and collaborated with the design team to develop the project's entire branding and visual identity.
- Consulting on shipping, pricing, packaging, and marketing strategies.
- Received 10% ownership stake as part of contract terms.
- EasyBuy website.

Senior Software Engineer   **SkullPortraits**   **June 2024 – Present**
Contract Role, Remote   London, UK

- Writing smart contracts for a marketplace of skull art
- Hiring and managing a design team to design the website according to the client's vision
- Consulting on blockchain and design strategies
- Implementing website design using Next.js and TypeScript

Senior Software Engineer   **AE Studio**   **Sep 2022 – Dec 2023**
Full-time, Remote   Los Angeles, USA

- Developed smart contracts and features for music marketplace. One of the most notable features was generating music waveforms using a C++ library.
- Developed multiple features for a social media platform. A notable feature was a commenting section like Instagram.
- Managed to reduce the page load time of a platform with over 400,000 articles by 300ms through caching optimization and improved search speed by integrating the platform with Algolia.
- Created Chrome extension to summarize Google Meet conversations using GPT-3.
- Developed a Solana Web3 marketplace using Rust.
- For a ticketing platform, I developed a PWA that enabled staff members to scan QR codes and redeem event tickets on-site.

Senior Software Engineer   **Oowlish**   **June 2021 – Aug 2022**
Full-time, Remote   Fortaleza, Brazil

- As a primarily Front-End developer, I worked on a German gift card platform using React.js, TypeScript, Styled Components, and Redux. I focused on adhering to design directions and testing with Jest and React testing library, achieving 85% test coverage.
- I also wrote required endpoints for a Node.js proxy API connecting the client and main API, and utilized Jenkins for CI/CD automation, Github actions for tests and code formatting, and Docker for containerization.
- Implemented network module enabling store/employee management and sales analytics.

Full Stack Developer   **NCI Soluções em Saúde**   **March 2020 – Sep 2020**
Contract, Remote   Fortaleza, Brazil

- Developed a full-stack application for 13 privately-owned Brazilian hospitals where they will be able to compare each other's metrics to better assess what processes need to be improved on.
- Using Test Driven Development I was tasked with the development of a robust software architecture using SOLID and TDD principles for a maintainable and reusable code base.
- Implemented a variety of pages for our customer facing dashboard using Vue.js.

Full Stack Developer   **ParcelPal**   **July 2018 – June 2021**
Full-time, Remote   Vancouver, Canada

- Helped to develop, from the ground up, a dashboard for internal use, using Typescript on both the front-end and back-end, React.js, Node.js, MongoDB, and Jest for unit testing. Some of the features of the dashboard are:
  - Pricing module that calculates route costs depending on which zone each address is in based on KML (Keyhole Markup Language) geocoded polygons.
  - Route optimization using Google maps, geocoding, autocomplete and directions APIs.
  - Automatic billing to customers and drivers.
- Used Scrapy and Selenium to mine relevant data from the web. Created a tool to automate workflows using the data collected.
- Worked with designers to completely redesign the landing page and implemented it using HTML, CSS3, and JavaScript.
- Helped to maintain a cohesive design across the website and dashboards.

Education and Certifications

- **Full-Stack Web Development Diploma,** CodeCore College, Canada.   **2018 – 2018**
- **Diploma Financial Services Management,** Douglas College, Canada. **2013 – 2016**
- **B.Sc. Business Management,** São Paulo State Technological College, Brazil. **2009 – 2011**

Notable Projects

Founder   **Fybula**   **May 2023 – Present**
Project is on hiatus   São Paulo, Brazil

- Fybula is a sophisticated, AI-driven application that consolidates your email, calendar, and task management needs across all major platforms, including Windows, Linux, MacOS, Android, and iOS.œ
- After creating Proof of Concepts (POCs) for both React Native and Flutter, I decided to proceed with Flutter. This decision was driven by its superior developer experience and robust support, which enables the efficient construction of this software.

- [Fybula](#)'s landing page is built with Next.js and TypeScript.
- The page where users are redirected after logging in using Gmail or Hotmail is made in React.js together with TypeScript.
- The core API is built with Node.js and Nest.js (this is Node.js framework for building scalable applications) together with TypeScript.