Laize Ferraz

Frontend Software Engineer

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QLD (Open to relocate back to SYD, NSW) | Australian Citizen

A **versatile** and driven Frontend Software Engineer with a passion for building impactful and intuitive web experiences. Drawing on a **diverse background** across **educational platforms** and **consulting**, I specialize in crafting scalable solutions with modern technologies like **React**, **TypeScript**, Next.js, and Web Components. I thrive on solving complex challenges, from **engineering custom tools** for automated documentation and linting to ensuring pixel-perfect implementation with 100% test coverage and a strong focus on **accessibility**. I excel in collaborative, agile environments, partnering with **cross-functional teams** to translate vision into high-quality, user-centered products.

Main Skills: **TypeScript** | **React** | JavaScript | HTML | CSS | Jest | **Next.js** | **Tailwind CSS** | Styled Components | Git | **Agile** | Web Components

Education & Credentials

- **Languages:** Portuguese (native), English (fluent).
- **Certificate IV in Web-based Technologies** - TAFE - Sydney, Australia (June – Dec. 2019)
- **Bachelor's degree in Law** - Tiradentes University - Brazil, (Aug. 2003 – Aug. 2008)

Professional Experience

Grok Academy - *https://groklearning.com/*
Software Engineer (Oct 2023 – Aug 2024), Sydney, NSW.
Main Responsibilities:

- **Designed, developed, and maintained a library of reusable Web Components** (e.g., avatar, chat-bubble, progress-bar) using **Lit Element** and **TypeScript**, significantly enhancing content creation efficiency and user experience on the Grok platform.
- **Engineered custom tooling and scripts** to automate Storybook documentation generation from **JSDocs** and integrate external Web Components with a custom monorepo linting system, improving developer workflow and code consistency.
- **Achieved 100% unit test coverage** for all components using Open Web Components Testing and Vitest, ensuring robust, reliable, and high-quality code.
- **Implemented automated accessibility testing and vision impairment simulations** within Storybook, promoting inclusive design and educating cross-functional teams on accessibility best practices.
- **Collaborated effectively with cross-functional teams** (designers, content creators) to clarify requirements, provide technical guidance, and integrate feedback, fostering an agile development process.
- **Strengthened code quality and maintainability** through active participation in pull request peer reviews and extensive manual testing across different browsers.

Palo IT - *https://www.palo-it.com/en-au/*
Software Engineer (Sep 2021 – Apr 2023), Sydney, NSW.
Main Responsibilities:

- **Drove full-stack development** across three major client projects: a **cyber insurance platform**, a **digital mental health MVP**, and a **white-label NFT marketplace**. Leveraged a diverse tech stack including **React, Node.js, TypeScript, Next.js, and .NET**.

- Recognized for **outstanding performance and promoted to Mid-level Software Engineer** within one year, showcasing consistent dedication and technical proficiency.
- Collaborated effectively within **agile Scrum teams**, leveraging tools like Jira, to deliver **high-quality software solutions** and proactively clarify requirements to optimize project execution.
- **Enhanced communication** and fostered team growth by **presenting complex technical concepts to diverse stakeholders** during sprint reviews and conducting thorough pull request peer reviews.

IT Projects:

- **Cyber Insurance Platform:** Developed a comprehensive web application for a cyber insurance client, centralizing policy creation, management, and risk assessment reporting. This system replaced fragmented Excel files, significantly enhancing data organization and operational efficiency using **React, Node.js, .NET, and MS Azure**.
- **Digital Mental Health MVP:** Built a **Minimum Viable Product (MVP)** web solution designed to empower parents as tutors for children's mental well-being, featuring 10 interactive modules. This application enabled the client to evaluate the viability of digital treatment solutions, utilizing **Next.js, TypeScript, Tailwind CSS, and AWS Amplify**.
- **White-Label NFT Marketplace:** Architected a **white-label NFT marketplace** uniquely designed to process transactions via **fiat currencies** (Vendure and Stripe), broadening client access to non-cryptocurrency users. This innovative platform was built with **React, TypeScript, GraphQL, Node.js, and C#**.

Academy Xi - *https://academyxi.com/* .
Front-end Web Developer Instructor & Mentor (Sep 2020 – Jul 2021 & May 2022 – Aug 2022), Sydney, NSW.
Main Responsibilities:
- **Mentored and instructed over 60 aspiring web developers** in core frontend technologies including **HTML, CSS, JavaScript, React, and Git**, preparing them for successful entry into the IT field.
- **Developed engaging and informative learning resources**, including practical coding examples, assessments, and dynamic presentations, to enhance student comprehension and foster industry-standard portfolio development.
- **Provided individualized coaching and one-on-one support**, effectively explaining complex technical topics in a non-technical way and guiding students to overcome coding, personal, and teamwork challenges.
- **Cultivated leadership and logical thinking skills** by facilitating an environment of constructive feedback and guiding students through problem-solving processes, ensuring their perseverance and improved learning outcomes.

Not-for-Profit Organisations - *Epilepsy Action Australia & National Trust of Australia.*
Administrative Assistant *Volunteer & Casual* (Mar 2018 – Jun 2019), Sydney, NSW.
Main Responsibilities:
- Managed and maintained data systems (e.g., IMIS, donor databases) and organized operational records, demonstrating strong **data management** and **attention to detail**.
- Streamlined administrative workflows through efficient use of spreadsheets and managed internal/external communications for various departments.

Jan. 2013 – Sep. 2015 (Studying English & French in Montreal, Canada)

References upon Request