**Frederico da Cruz**

**Senior Frontend Engineer**

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| **Summary** | Senior Frontend Engineer with over 15 years of expertise in crafting intuitive web interfaces with focus on user experience, performance, good tests and accessibility, leveraging skills in JavaScript, React, Next.Js, multiple component libraries and AWS. On the businesses side, I have been collaborating in the various phases of the software development life cycle using Agile – Scrum methodology. I can communicate with developers as well as non-technical stakeholders. I am always happy to help when problems arise. |
| **Tech Skills** | React | Next.Js | JavaScript | TypeScript | Angular | Backbone | Ember | jQueryGraphQL | Redux | RTK Query | RxJsStyled-components | Tailwind | BEM | Style-JSX | SASS (BEM | OOCSS)Webpack | Git | Azure | AWS | Bitbucket | Vercel | JenkinsSonarQube | Jest | TestCafe | Selenium |

**Employment history**

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| AUG 2024 – PRESENTCONTRACT | BUNNINGS - Senior Frontend EngineerReact, Typescript, Tailwind, Storybook, SonarQube, Git, Azure, Redux Saga, GraphQL* Integrating/enhancing multiple digital payment solutions for seamless transactions using Apple Pay, Google Pay, After Pay and Zip Pay
* Debugging logs to find ways to improving site performance and error handling which reduced abandoned carts by 10%
* Liaising between developers and designers to align components and accessibility standards
* Refactoring code to decommission Saga’s in favour of react custom hooks
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| MAY 2021 - AUG 2024CONTRACT | COLES - Senior Frontend EngineerNext.js, Typescript, Styled-components, Storybook, TestCafe, Azure, RTK Query* Delivering of shopping method, Geolocation and Slot selection infrastructure on the news Coles platform
* Creating modular, maintainable, and accessible reusable components by following best practices, leveraging design patterns, ensuring proper documentation, and adhering to accessibility (ARIA) standards which ensured a seamless AEM CMS integration
* Implementing solutions using 3rd party APIs to track and allow B2B advertainment throughout the customer journey
* Orchestrating Azure pipeline operations, ensuring robust deployment processes and maintaining system reliability for enterprise-scale applications
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| DEC 2020 - MAY 2021 CONTRACT | IRESS - Senior Accessibility ConsultantReact, Typescript, Backbone, Storybook, Cypress, Nexus, Jenkins, GIT, Bitbucket, AWS* Modernizing UI by converting Backbone components into accessible React components
* Enhancing Accessibility to ensure WCAG compliance across the trading platform
* Improving Usability with extended screen reader support for a seamless user experience
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| DEC 2019 - DEC 2020 CONTRACT | Senior Frontend Engineer, Australia PostReact, Typescript, Styled-components, Formik, Storybook, Jenkins, GIT, Bitbucket, AWS * Coding dynamic forms using Formik, integrating complex international transaction rules and regulatory requirements for cross-border payments between Western Union and Australia Post
* Extracting current simple components into a library with storybook auto-documentation. A big win for the abstraction of our current address lookup that has been adopted across multiple projects
* Running weekly meeting to demonstrate and help other teams in using the features of the component library, updates on new design requirements that might affect their project and understanding what needs to be enhanced
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| DEC 2018 - DEC 2019 CONTRACT | Senior Frontend Engineer, Energy AustraliaHTML5, SASS, Angular 7, RxJS, Typescript, Style-JSX, JAVA, Jenkins, GIT, AWS * Working on creating a reusable UI component library to be shared amongst platforms to create a uniform experience
* Improving a shared JavaScript service library to enable a shared services layer between projects
* Leasing with UI designers to provide feedback on new templates and their feasibility before development
* Helping junior developers
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| OCT 2017 - DEC 2018 CONTRACT | Senior Frontend Engineer, NABHTML5, SASS, Angular, React/Redux, Typescript, Style-JSX, JAVA, Jenkins, GIT, AWS * Working on improving component's performance which leads to pages such as the payroll payments page with 1000s of rows to be loaded in 3 seconds instead of 45 seconds
* Responsible for the global re-styling of NAB B2b website
* Integrating sonarQube quality control and improving Git Hooks tasks
* Architected hybrid React solution integrating with Angular.js and Angular 5, enabling seamless framework transitions while maintaining system stability.
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| JUL 2017 - OCT 2017 CONTRACT | Senior Frontend Engineer, SportsBet React, Redux, Typescript, Typestyle, Jest & Selenium* Working as part of the architectural team coding and designing SportsBet next generation customer facing mobile/IOS platform
* Integrating and embedding parts of the new React solutions into the current app (written in backbone) to allow parallel development of new features
* Taking ownership of the liveServ solution to have on time live betting updates for events, prices and multiple on demand features
* Led React/Redux development for next-gen mobile platform, implementing custom middleware solutions for optimised state management and real-time betting features
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| JUL 2016 - JUL 2017 CONTRACT | Senior Frontend Engineer, NAB HTML5, SASS, Angular, JAVA, Jenkins, Sonar & Crubicle* Developing reusable Angular components and directives for a business to business one-page app that allows enterprises to manage accounts, users, and payments
* Coding highly accessible pages, using cutting edge mark-up based on strict guidelines of WCAG
* Peer programming, reviewing pool requests and refactoring code
* Helping junior developers to grasp concepts
* Setting up code standards by integrating lint into the projects
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| JUL 2015 - JUL 2016 CONTRACT | Senior Frontend Engineer, Tabcorp HTML5, SASS, Ember, Handlebars, Hypergrid & GIT* Developing reusable ember widgets and handlebars templates for a combined platform that allow bookies to manage markets and wagering positions
* Converting business requirements into mathematical functions to handle on-demand wagering liabilities, bet positions and payouts
* Creating observers to watch for live updates from a clustered web messaging system (cometD) Peer programming, reviewing pool requests, refactoring codeCoding structural SCSS solutions based on best practices such as BEM and OOCSS
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| OCT 2014 - JUL 2015 CONTRACT | Senior Frontend Engineer, Optus HTML5, SASS, LESS, jQuery, TDD (Jasmine), Backbone/Marionette, Handlebars, GIT, Stash* Developing Front End solutions across multiple projects using Test Driven Development Fixing code bugs, updating Style Guides to be used across multiple systems
* Refactoring Code for a more scalable and maintainable platform using Backbone, Underscore and Require
* Supporting Back End Developers on the front-end development. Service calls, controller creation, views, and responsive cross-browser compatibility
* Assuring code quality and continuous integration using Grunt and Jenkins Implementing Omniture tracking solutions for single page AppsAssisting junior developers in their skills development
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| SEP 2013 - OCT 2014 FULL TIME | Full Stack Developer, Word Nomads Group NET MVC5, Angular.js, CSHTML, HTML5, jQuery, C#, SQL Server, SASS, Grunt & JavaScript* Converting old Legacy System into a more reliable, scalable and maintainable platform
* Generating and maintaining configuration scripts of Master Data across multiple brands
* Supporting Back End Developers on the front-end development. Service calls, controller creation, views and cross-browser compatibility
* Analysing requirements and offering viable solutions based on cost factors and development time
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| JUN 2011 - SEP 2013 FULL TIME | Frontend Developer, MultiArrayHTML5/CSS3, jQuery, ASP.NET, KENTICO K#, SQL * Planning, analysing, developing websites, mobile sites, Facebook application solutions for numerous Real Estate Companies around Australia including 250 First National Offices
* Writing and maintaining program code for web solutions Testing, debugging and supporting current clients
* Converting flash animation into jQuery to enhance website usability experience for iPhone mobile users
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| AUG 2010 - MAY 2011 FULL TIME | Full Stack Developer, Sony MusicJAVA, Struts, Maven, JSP, SQL Server 2008 & JBoss* Planning, analysing, designing and implement high-level software strategies and solutions in Sony’s current (Bandit.fm, Songl.com, Sonos) software systems by establishing system limitations and creating solutions to remove those system constraints
* Accessing, modifying and updating database records using SQL query language to ensure that data retrieved is relevant and error free when presented to the end user
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| **Education** |  |
| 2009 – 2011 | Bachelor of Information Technology, Central Queensland UniversityPlaced on honours Board for recognition of diligence as the student with the highest grades on the Central Queensland for the following subjects * Award for highest grade / Top achiever for JAVA Programming
* Award for highest grade / Top achiever for Database Use and Design
* Award for highest grade / Top achiever for Information Security
* Award for highest grade / Top achiever for System Development
* Award for highest grade / Top achiever for Applied Distributed Systems
* Award for highest grade / Top achiever for Information Systems Project Management

Award’s certificates can be viewed at [www.frederico.com.au/docs/AWARDS.pdf](http://www.frederico.com.au/docs/AWARDS.pdf) |
| 2008 – 2009 | Diploma of Web Development (Distinction Award) - TAFE – NSWDistinction Award |
| 2007 – 2008 | Cert IV in Web Designer (Distinction Award) – TAFE - NSWDistinction Award |
| **Languages** | English | Portuguese | Spanish |
| **Projects** | [www.limpocleaners.com.au](http://www.limpocleaners.com.au)[www.kbeautyhouse.com.au](http://www.kbeautyhouse.com.au) [www.skilledprogrammers.com.au](http://www.skilledprogrammers.com.au) |
| **Residency Status** | Australia | Brazilian |