Frederico da Cruz

**Developer**

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BIO

My name is Frederico Kronemberger da Cruz, I have 10+ years’ of commercial experience in front-end web development using JavaScript frameworks such as React (redux | mobx), Angular (RxJS), Ember, Backbone and jQuery, Typescript with Typestyle or Style-JSX, HTML5, SASS (BEM | OOCSS), GULP/GRUNT & WEBPACK task runners. I have a good understanding of responsive web design, progressive enhancement, graceful degradation concepts, cross-browser compatibility issues and accessibility techniques using HTML5 Boilerplate, Bootstrap. I’ve worked across a multitude of high-profile clients always focusing in improve reusability of components, accessibility standards and quality testing coverage.

I am currently contracting at [Coles](https://www.coles.com.au/) developing their new online shopping app. From day one, focusing on improving pipeline, code re-usability, responsiveness of the application and performance.

Before that I was contracting at [Australian Post](https://auspost.com.au) developing the new Western Union over the counter app. A very complex system build with dynamic fields and validations based on on-time currency rates and country to country regulations. In my spare time, I am also worked on extracting components from current projects into a self-documented component library to stop the current re-work on simple atoms and molecules. The library is dependency-free and has had the best adoption of any previously written library by other teams.

Previous to that, I contracted at [Energy Australia](https://www.energyaustralia.com.au), working on the development of a reusable component library and a Greenfield governance project to enable customers to set up a customizable payment plan for their accounts. The project uses angular 7 with RxJS and a shared JavaScript service library which is used by multiple projects including the mobile applications and the web responsive website to minimize code repetition across platforms when retrieving customer’s information.

Previous to that, I contracted at [NAB](http://www.nab.com.au), focusing on improving performance, code quality and framework upgrades. I was invited to re-join the team as a senior contractor to create a momentum to move forward with technology. I was working with a small team of gun developers to align our project with other NAB projects with the ultimate goal of creating a unified library that can be reused by both business to business banking and internet banking.

Previous to that, I contracted at [SportsBet](https://www.sportsbet.com.au/), working on their Greenfield project which will replace their mobile, IOS and web platform using the latest technology including React/Redux, Typescript and Typestyle. My focus was to help to structure the backbones of the application. I was in charge of local storage and liveServ solutions which involves custom middleware’s and reducers to transform received data into a normalised model.

Previous to that, I was consulting at [NAB](http://www.nab.com.au) (National Australia Bank), working on the NAB CONNECT project, a business to business banking solution that is evolving to allow receivables and payables to be processed and available instantly between banks. As a senior front end engineer, I was responsible for coding Angular reusable components and directives, accessible content (WCAG) and responsive pages (and a bit of JAVA when needed). During my time there, **I received 2 awards**; one for setting code standards by integrating lint into the projects and fixing over 15000 errors and another for integrating Git Hooks and assuring no more broken builds due to developers checking in code with broken tests.

On the businesses side, I have been collaborating in the various phases of the software development life cycle using Agile – Scrum methodology. I am able to communicate with developers as well as business people and I am always happy to help out others when problems arise.

Summary of Skills

* JavaScript Frameworks (React, Angular, Ember, Backbone, jQuery) – 10+ years
* HTML, CSS (Sass – BEM | OOCSS | Typestyle | Styled-JSX) – 10+ years
* Typescript, Handlebars, Marionette, FTLs, Blaze – 4+ years
* Jasmine TDD, Jest and Selenium – 5+ year
* .NET/JAVA Services Development / JAVA – 1.5 years
* .NET MVC5 (using latest Razor Markup, Bundle config, etc…) – 1.5 years
* Microsoft SQL Server – 1.5 Years
* Solid Hands on GULP, GRUNT and WEBPACK custom tasks development
* Photoshop, Illustrator (Vast Experience from slicing to image enhancement) – 10+ years
* Scrum Master, Team Player
* Fast Learner, reliable and well spoken

Employment Details

**Coles, Melbourne – VIC – May 21 to present**

**Senior Front End Engineer**

***Company’s overview:*** Coles is a leading Australian retailer, with over 2,500 retail outlets nationally.

**Environment:**

* HTML5, Next Js, React, Typescript, Storybook, TestCafe, Azure

**Responsibilities:**

* Working as part of a team that will deliver the new Coles online app
* Focusing on creating reusable and accessible Atoms/ Molecules components
* Supporting integration of components with AEM cms
* Supporting pipeline in an Azure environment
* Peer programming, reviewing pool requests and refactoring code

**Iress, Melbourne – VIC – December 20 to May 2021**

**Senior Accessibility Consultant**

***Company’s overview:*** Technology company providing software to the financial services industry.

**Environment:**

* HTML5, React, Typescript, Backbone, Storybook, cypress, Nexus, Jenkins, GIT, Bitbucket, AWS

**Responsibilities:**

* Converting backbone components into accessible react components
* Improving overall accessibility of trading platform to assure compliance with WCAG guidelines
* Extending current functionality to improve screen reader functionality
* Peer programming, reviewing pool requests and refactoring code

**Australia Post, Melbourne – VIC – December 19 to December 20**

**Senior Front End Engineer**

***Company’s overview:*** Australia Post is the country’s leading delivery and rural banking provider.

**Environment:**

* An Agile Based development environment. HTML5, React, Typescript, Styled-components, Formik, Storybook, cypress, Nexus, Jenkins, GIT, Bitbucket, AWS

**Responsibilities:**

* Coding dynamic forms using Formik based on reference data which is dependent on the type of country to country transaction, amount to be sent and multiple international regulations constant changing
* 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

**Energy Australia, Melbourne – VIC – December 18 to December 19**

**Senior Front End Engineer**

***Company’s overview:*** Energy Australia is one of the country’s leading energy retailers.

**Environment:**

* An Agile Based development environment. HTML5, SASS, Angular 7, RxJS, Typescript, Style-JSX, JAVA, Jenkins, GIT, AWS

**Responsibilities:**

* 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
* Peer programming, reviewing pool requests and refactoring code
* Developing reusable components including a complex direct debit component which can now be integrated into multiple projects saving lots of time and money

**NAB, Melbourne – VIC – October 17 to December 2018**

**Senior Front End Engineer**

***Company’s overview:*** Australia’s largest business bank, working with small, medium and large businesses to help them start, run and grow.

**Environment:**

* An Agile Based development environment. HTML5, SASS, Angular, React/Redux, Typescript, Style-JSX, JAVA, Jenkins, GIT, AWS

**Responsibilities:**

* 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 banking to banking business website
* Working closely with the lead developers to upgrade our framework to angular 5
* Creating multiple POC’s to test a hybrid react solution that works with both Angular.js, Angular 5 and other frameworks to move forward without major disruption on current systems
* Integrating sonarQube quality control and improving Git Hooks tasks
* Peer programming, reviewing pool requests and refactoring code
* Responsible to implement the backbones for the next B2B platform, using React + Next.JS (which is the wrapper that provides auto off the box amazing functionalities such as server-rendered by default, automatic code-splitting for faster page loads, routing and Hot Module Replacement)

**SportsBet, Melbourne – VIC – July 17 to October 17**

**Senior Front End Engineer**

***Company’s overview:*** Australia’s premier internet betting and entertainment website.

**Environment:**

* An Agile Based development environment. React, Redux, Typescript, Typestyle, Jest & Selenium

**Responsibilities:**

* Working as part of the architectural team coding and designing SportsBet next generation customer facing mobile/IOS platform
* Developing reusable and testable components using React/Redux, typescript and typestyle
* Writing unit tests using Jest and behaviour tests using selenium
* Integrating and embedding parts of the new React solutions into the current app (written in backbone) in order to allow parallel development of new features
* Taking ownership of architectural solution for local Storage by using custom made middleware’s to store subsets of state "on demand" (1:1 normalized data)
* Taking ownership of the liveServ solution to have on time live betting updates for events, prices and multiple on demand features

**NAB, Melbourne – VIC – July 16 to July 17**

**Senior Front End Engineer**

***Company’s overview:*** Australia’s largest business bank, working with small, medium and large businesses to help them start, run and grow.

**Environment:**

* An Agile Based development environment. HTML5, SASS, Angular, JAVA, Jenkins, Sonar & Crubicle

**Responsibilities:**

* 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
* Creating simple JAVA API’s to convert JSP all in one-page responses into JSON responses
* Updating old controllers and views into new modular components to facilitate the upgrade to Angular 2.0
* Setting up code standards by integrating lint into the projects
* Migrating current source code to webpack in order to control how assets are processed
* Fixing gulp tasks which improved initial build time by 30 seconds and browser-sync by 5 seconds

**Tabcorp, Melbourne – VIC – July 15 to July 2016**

**Senior Front End Engineer**

***Company’s overview:*** Tabcorp manages leading customer brands in Australia, including TAB.com.au, Luxbet, Sky Racing, Sky Sports Radio, Tabcorp Gaming Solutions (TGS), and Keno, serving millions of customers every year.

**Environment:**

* An Agile Based development environment. HTML5, SASS, Ember, Handlebars, Hypergrid & GIT

**Responsibilities:**

* 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 code
* Coding structural SCSS solutions based on best practices such as BEM and OOCSS

**Optus, Sydney - NSW – October 14 to July 15**

**Senior Front End Engineer**

***Company’s overview:***  One of the leading TELCO providers, serving over ten million customers each day, on services including mobile, telephony, business network, Internet and satellite.

**Environment:**

* An Agile Based development environment. HTML5, SASS, LESS, JQuery, TDD JavaScript (Jasmine), Backbone/Marionette, Handlebars, Grunt Tasks, GIT, Stash

**Responsibilities:**

* 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 Apps
* Assisting junior developers in their skills development

**Word Nomads Group, Sydney - NSW – September 2013 to October 14**

**Full Stack Developer**

***Company’s overview:***  A multimillion travel insurance specialist, developers of [World Nomads](http://www.worldnomads.com.au), [Suresave](http://www.suresave.com.au/), [Travel Insurance Direct](http://www.travelinsurancedirect.com.au), [Cheap Travel Insurance](http://www.cheaptravelinsurance.com.au) amongst other brands. It is established in Sydney with offices and services around the world.

**Environment:**

* An Agile Based development environment. NET MVC5, Angular.js, CSHTML, HTML5 Markup, jQuery, C#, SQL Server, SASS, Grunt & JavaScript Bundle Config

**Responsibilities:**

* Converting old Legacy System into a more reliable, scalable and maintainable platform
* Coding from end to end. Repositories to View
* 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
* Testing, debugging

**MultiArray, Sydney - NSW – June 2011 to September 2013**

**Front End Engineer**

***Company’s overview:***  A software company specialized in Office Management System for the Real Estate Industry offering end-to-end, single data entry solutions to manage Property, Contracts, Financial Reporting and website.

**Environment:**

* An Agile Based development environment. Languages used: HTML5/CSS3, jQuery, ASP.NET, KENTICO K#, SQL

**Responsibilities:**

* 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
* Manipulating, accessing and creating reports, stored procedures using SQL query language

**Responsive Website Sample**

[www.horeanddavies.com.au](http://www.horeanddavies.com.au)

[www.ellychoi.com.au](http://www.ellychoi.com.au)

[www.skilledprogrammers.com.au](http://www.skilledprogrammers.com.au)

**HTML5 Websites Developed**

[www.theauctionman.com.au](http://www.theauctionman.com.au)

[www.melbournecommercial.com.au](http://www.melbournecommercial.com.au/)

[www.epmre.com.au](http://www.epmre.com.au/)

For more samples, visit [**www.frederico.com.au**](http://www.frederico.com.au)

**Sony Music (Red Unicorn), Sydney - NSW – Aug 2010 to May 2011**

**Full Stack Developer**

**Company’s overview:** An Information Technology department to provide Sony/BMG with the support for the development of Sony’s Online Streaming platform and Sony’s recognized music business bandit.fm

**Environment:**

* An Agile Based development environment. JAVA, Struts, Maven, JSP, SQL Server 2008 & JBoss

**Responsibilities:**

* Analysing system program requirements and generating solutions by designing and developing a software interface that complies with Sony’s system program requirements
* 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
* Testing, Debugging and fixing errors in Sony’s current application software (Songl.com, Bandit.fm and Sonos)
* 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

Education

**Central Queensland University**

**Course:**  Bachelors of Information Technology (Distinction Award – 6.2GPA)

Begin: 2009 – 2011

Placed on honors 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)

**TAFE – NSW**

**Course:**  Diploma of Web Development (Distinction Award)

Begin: 2008 – 2009

**TAFE – NSW**

**Course:**  Cert IV in Web Designer (Distinction Award)

Begin: 2007 – 2008

Foreign Language Skills

* Portuguese (NAATI Accredit transalator English 🡨🡪 Portuguese)
* Spanish

Residency Status

* Australian Citizen