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Muzikayise Flynn Buthelezi

Senior Front-end Developer

Certifications:

- Matric 2003 - Parktown Boys' High (Best boys school in the world)
- MCSD - Web Applications

References:

References available upon request.

Background

I have been doing software development professionally since 2005. My passion for programming started when I was a junior in high school. My first computer program was an 8-bit happy birthday song written in the PASCAL programming language. Furthermore, I have had the pleasure of working in various industries using various development languages, tools, technologies and practices.

Core Technology Summary

5+ years JavaScript experience with SPAs (Single Page Applications)

10+ years experience with full stack web application development

3+ years experience with React and Redux web applications

Supplemental Technology Summary

Experience with React Native.

Experience with Nodejs, Express and MongoDB.

Experience with mentoring junior programmers.

Experience with Test Driven Development (TDD), Continuous Integration (CI) and Pair Programming.

Work experience

Allan Gray Pty Ltd – *Cape Town, UAE*

Senior Developer: 2019-Present

Allan Gray is Africa's largest privately-owned and independent investment management company. Allan Gray is focused on generating long-term wealth for clients who include individuals, retirement funds, insurers, trusts, companies and foundations. They invest through Allan Gray focused range of unit trusts, retirement products and life insurance investment pools or in segregated portfolios.

Work experience

Property Finder Group – myCRM.com, *Dubai, UAE*

Team: myCRM

Senior Front-end Developer: 2018-2019

Project Highlights

Since 2007 Property Finder Group has been providing the tools to help consumers find the properties that fit their needs. We work with brokers to list properties in one convenient site, and make it easier to see all of the information about those properties while browsing from your desktop or on the move. Over 1 million visitors to Property Finder Group sites each month with about 7 million page views. Over 150,000 unique property listings across the Property Finder Group network. More than 15,000 daily visits to our sites. Property portals in 7 Middle East markets.

myCRM Team:

Senior Front-end Developer on the myCRM team.

- Writing code to implement new features and bug fixes.
- Implementing strategies to ensure stability, using extreme programming (XP) development practices, and high performance.
- My primary goal was to migrate the myCRM web application from a legacy framework Backbone & JQuery to React & Redux. I achieved this by building a bridge between the legacy framework and React. This allowed other developers to start building new features in React, [for more info on this, please see my blog post. \(https://blog.mfbproject.co.za/2019/01/01/yet-another-reason-why-you-should-migrate-your-current-legacy-spa-to-react/\)](https://blog.mfbproject.co.za/2019/01/01/yet-another-reason-why-you-should-migrate-your-current-legacy-spa-to-react/)

Technical Context:

myCRM Mobile Application

- Cordova

MyCRM Web Application

- Legacy: BackboneJS, SASS, Material Design.
- Migrated: React, Redux, Redux-Saga, Material-UI

Work experience

Liberty - dHUB, Braamfontein

Team: Leads

Full Stack Developer: 2017-2018

Project Highlights

Liberty Holdings Limited (JSE: LBH) is a financial services and property holding company with headquarters situated in Johannesburg, South Africa at Liberty Centre, 1 Ameshoff St., Braamfontein. Founded in South Africa as the Liberty Life Association of Africa Ltd by entrepreneur and philanthropist Sir Donald Gordon in 1957, the company's Assets Under Management have grown to ZAR 688 billion or USD 53 billion (as at 30 June 2017 and excluding inter-group Life Funds).

InTouch Team:

The primary focus of our team was to build a mobile application which feeds opportunities for Financial Advisers. We also have a Manager Dashboard, which enables the Financial Advisers Manager's to track the progress of each Financial Adviser.

Agile Practices:

- Pair Programming
- Test Driven Development (TDD)
- Scrum events (daily stand-ups, story kick-offs, iteration planning and retrospective)

Technical Context:

InTouch Mobile Application

- React Native, Redux

Manager Dashboard Web Application

- React, Redux, Bootstrap, SASS,

Back-end API for both Mobile and Web

- Nodejs, Expressjs, MongoDB

Work experience

Dariel, *Waverley*

Team: Standard Bank – Internet Banking Refresh

Tech Lead: 2014-2017

Project Highlights

Standard Bank Group is the largest banking group in Africa by assets and earnings. Its 49,000 employees operate in 32 countries, serving 15 million customers.

Internet Banking Refresh: I was a tech lead on the IBR Statements team. The primary focus of our team was to build internet banking features that were on the old internet banking application onto the new IBR platform. On IBR, we used Agile, moreover, some of our practices were:

- Pair Programming
- Test Driven Development (TDD)
- Scrum events (daily stand-ups, story kick-offs, iteration planning and retrospective)

Technical Context:

The AngularJS front-end consumes a Java API which exposes the bank's Cobol mainframe systems and SAP CRM via several layers of indirection including an ESB. Our team developed features for the AngularJS front-end client, which makes up IBR.

Our Stack:

- AngularJS
- Jasmine
- Protractor
- Grunt
- SASS

Tooling:

- Node and NPM
- Karma
- Webstorm & IntelliJ
- TeamCity – Build Server
- GIT

Work experience

BBD, Houghton, Software Developer - 2012-2014

Project Highlights

Release Management: I was part of the SARS Release Management team. Moreover, this revealed me to CI (continuous integration), packaging furthermore patching software (WIX). On the SARS RM team, I assisted in creating front-end patching capabilities for our client's software. Consequently, I also helped build the patching MSI tool used for creating patches.

Corporate Income Tax Modernisation project (CIT): I worked on the back-end also front-end components for this project, this included interfacing with other systems such as e-filing plus SARS Risk Engine.

Work experience

Metrix Software Solutions, Fourways, Senior .NET Developer and .NET Process Owner - 2010-2012

Web-based application development with ASP.NET (C#), with CSS, XHTML and JavaScript

IsoMetrix Framework – while at Metrix Software Solution (www.isometrix.com), I developed many features for the IsoMetrix framework, including Report Builder, Menu Builder, Workflow, License & Security, Data Validation including a Meeting Manager.

Work experience

iScrip Software, Midrand, Analyst Programmer – 2009-2010

Web-based application development with ASP.NET (C#), ASP.NET (VB.NET) plus Classic ASP (VBScript), Web Services, Windows Services (WCF C#), Database SQL Server, Experience in full SDLC (Software Development Life Cycle)

Credit Vetting System – while at iScrip Software Solution (www.iscript.co.za) I worked on critical components for an online credit vetting system for one of South Africa's leading cellular operators.

Work experience

amaDigital, Randburg, Head Developer - 2005-2009

Web application development using ASP, ASP.NET, plus MS SQL DB

Open Source Projects

React Tunes Player

npm v1.1.0 build passing coverage 100%

A simple .ogg/.mp3 player. This component uses Redux to store its state. The benefit of using Redux is the ability to dispatch actions to control the player functions.

Example

- `pauseCurrentTune()` - This action creator will dispatch an action to pause current tune being played.
- `playCurrentTune()` - This action creator will dispatch an action to play the current tune.
- `setNextTune()` - This action creator will dispatch an action to go to the next tune in the tunes list.
- `setPreviousTune()` - This action creator will dispatch an action to go to the previous tune in the tunes list.

Demo

Demo - <https://react-tunes-player.mlproject.co.za/>

React Tunes Player

[npm package – react-tunes-player](#)

[git repo – react-tunes-player](#)

[demo - react-tunes-player](#)

A simple .ogg/.mp3 player. This React component uses Redux to store its state.

React Swift Slider

npm v3.0.0 build passing coverage 100%

React Swift Slider is a simple image/picture slider for react.



React Swift Slider

[npm package – react-swift-slider](#)

[git repo – react-swift-slider](#)

[demo - react-swift-slider](#)

React Swift Slider is a simple image/picture slider for react.

Generate React Code

build passing coverage 96%

This project utilises a scaffolding framework which generates React or React-Native code along with all the essential test code... Because who likes writing that themselves?!

Additionally, it can be used to generate Redux code conforming to the [Redux ducks pattern](#) - and it can also be used to generate the Redux core files needed for React-Redux projects (`store` , `root-reducer` , and `action-creator`).

This generated code conforms to the [Air BnB style guide's](#) naming and coding-style conventions, and it is thus highly recommended to make use of this tool when creating new React or React-Redux components.

This package also allows users to add a configuration file containing default parameters. That way users would not have to specify these parameters every time they wish to generate code.

IMPORTANT NOTE:

- This package assumes the use of [sass](#) for React web projects.
- This package assumes the use of [Redux-Thunk](#) as a Redux middleware.
- This package assumes the use of [enzyme](#) and [jest](#) for React testing.

Installation

Generate React Code

[npm package – generate-react-code](#)

[git repo – Generate-React-Code](#)

[demo - generate-react-code-test](#)

Contributor to this project.

This project utilises a scaffolding framework which generates React or React-Native code along with all the essential test code... Because who likes writing that themselves?!

Other Open Source Project Contributions

React Redux Mock - <https://github.com/khanghoang/react-redux-mock>

MEANJS - <https://github.com/linnovate/mean>

Interests

- Always evolving learning more languages, development techniques and methodologies.
- Mind, Body & Spirit - Enhancement Techniques.
- Playing Squash
- Rugby.
- Attending software development conferences/meetups, listening to software development podcasts
- Gadgets, programming trends, web-based frameworks, open source (Linux, Ubuntu), programming culture, agile methodologies & practices (pair programming, CI, CD, TDD), web-based application techniques (nodejs, express, react, redux), automation (automated functional testing, automated unit tests), automated deployments, Italian cars (Alfa Romeo).