

# Robert Tessler

## Full Stack / Mobile developer

Contact	<a href="mailto:robert.tessler@outlook.com">robert.tessler@outlook.com</a> +31 0616-706-514 Delft, Netherlands
Status	Netherlands Resident
Links	<a href="#">GitHub</a> <a href="#">LinkedIn</a> <a href="#">Web</a> <a href="#">Portfolio</a>
Key Skills	Web Javascript, React.js, Node.js, Typescript, PHP Mobile Flutter, Swift Other Python

## Summary

Full stack and mobile developer with over 20 years experience. I have developed multiple website and apis and 3 apps currently in the app store. I am looking for an interesting full stack or mobile development role.

My main tech stack is Javascript, React.js, Node.js, Typescript, Python and PHP. For mobile I use Flutter and Swift.

In my work I like to fully understand the requirements, break them down into tasks and execute them in order of priority. I understand the need for testable code and attention to detail. Software needs to be maintainable and extendable in the future.

I am a Netherlands resident living in Delft, originally from Australia I came here in 2019 to experience life in Europe.

I am particularly interested in digital media, mobile app development, 3D, AI and machine learning, video and audio, engineering, entertainment, music, travel, green energy, automotive, construction, environment, architecture and aerospace applications.

In my spare time I enjoy music, film, trekking and travel

## Skills

		Knowledge	Last Used	Years
<b>Mobile</b>	Flutter	Excellent	2023	3
	Swift, IOS	Good	2023	3
	Kotlin, Android	Medium	2023	1
<b>Web</b>	HTML, CSS, SASS, Bootstrap	Excellent	2023	8
	Javascript	Excellent	2023	13
	Node.js	Excellent	2023	3
	React.js	Excellent	2023	5
	Typescript	Good	2018	2
	Python	Good	2023	2
	PHP / Laravel	Good	2022	3
	.NET: C#, ASP, Web API, MVC	Good	2021	4
	Unity 3D	Medium	2022	1
	Three.js	Medium	2021	0.5
	D3.js	Medium	2022	0.5
	Java	Medium	2011	2
	Angular	Medium	2018	2
	Vue	Basic	2023	0.5
	Flask	Basic	2023	0.5
	Next.js	Basic	2023	0.5
	Spring Boot	Basic	2023	0.5
	GraphQL	Basic	2022	0.5
	Docker	Basic	2022	0.5
	C++	Good	2005	5
<b>Database</b>	Mongo DB	Good	2020	1
	MySQL	Good	2021	2
	SQL Server	Good	2021	3
	Postgres	Medium	2007	1
<b>Source Control</b>	Git	Good	2023	5
<b>Cloud Services</b>	Firebase	Excellent	2023	3
	AWS: S3, Route 53, EC2, Cloud front, Lambda, API Gateway	Medium	2021	3
	Google Cloud	Medium	2023	2
<b>UX</b>	Zeplin / Figma / Adobe XD	Medium	2023	2

## Achievements

- Built a multi-platform music streaming mobile mobile app (Sway)
- Real time mapping and visualisation of the ocean floor (Atlas)
- Created a mobile app for recording sea conditions (Sublime)
- Wrote a web based online hearing test (Mercer Bell)
- Wrote an airline arrivals/departures web app for Luton airport (Incentivated)
- Wrote a web based interactive dashboard builder (L&J)

## Work Experience

### Mobile Developer

[Sway Music](#)

Remote

*Mar-2022 – Mar-2023*

- Sway Music is a UK startup. I worked on Sway Music stream app V2. The app allowed live broadcast of music. Listeners could comment and collaborate. Listeners could listen on apple music or spotify, the app would find equivalent songs in either platform.
- Playback of audio streams from multiple music providers
- Native development in flutter channels to make use of apple music and spotify libraries
- Real Time update
- Notifications, Social media and Chat functionality
- 2 Firebase cloud servers in node, express, javascript
- Use of Google vision ML API, Google Cloud Services
- Admin web app in React
- [app store](#), [google play](#)

Flutter

Swift

XCode

Android Studio

AVFoundation

Zeplin

Kotlin

Firebase

Node.js

React.js

SwiftUI

Python

Apple Music & Spotify APIs

Javascript

Google Cloud

Git

### Front End Developer

[Twisted Rope](#)

Amsterdam - Remote

*Oct-2021 - Feb-2022*

- Developed a react app for Accenture to display a graph of campaigns
- Built unity augmented reality apps for IOS and android
- [AReveryware](#), [pawpow](#)
- Worked on the [legato](#) concert booking system: React.js, PHP / Laravel

Javascript

React.js

D3.js

Unity

Vagrant / Homestead VM

PHP / Laravel

Xcode / Android Studio

Sharepoint

Javascript

## Full Stack Developer

[Koda Design](#)

Remote

*Oct-2020 - Sep-2021*

- Koda Design is Sydney based digital agency
- Sitefinity CMS .NET MVC site for ([APTC](#))
- [Pepsi Cola Taste Challenge PWA](#) iPad app: React, Firebase, Node, Material UI
- School of Performing Arts web app: PHP, MySQL
- Import data into hubspot using python for Crescent Wealth

C#, ASP.NET Web  
Forms, .NET MVC  
Sitefinity CMS  
Javascript  
Python

Firebase  
Node.js  
PHP  
Shell Scripting

MySQL  
Progressive Web Apps  
React.js  
Material UI

## Mobile Developer

[Knab Bank](#)

Amsterdam - Remote

*Apr-2020 - Aug-2020*

- Maintenance and new features for the Knab IOS App
- Signup screens
- UI development
- Client API extensions
- [appstore](#) [google play](#)

Swift  
IOS

Reactive Programming  
XCode

MVVM  
Coordinator Pattern

## Mobile / Full Stack Developer

[Sublime X](#)

Remote

*May-2019 - Apr-2020*

- Sublime X is a Sydney based digital agency
- Developed a system for Marine Rescue NSW for reporting of marine hazards in NSW coastal waters.
- Front end in react and redux connecting to a firebase backend.
- IOS/android app in flutter.
- Node/express server on a google cloud Compute Engine VM for handling third party authentication.
- Networking: Static IP on google cloud, SSL certificate installation, https port routing, DNS
- *Firestore*: database, storage, functions for creating image thumbnails, connecting to the Weatherzone API, proxy for authentication, PDF generation, sendgrid email
- [appstore](#) [google play](#)

React.js  
Node.js  
Flutter  
Firebase

Xcode  
Android Studio  
Git  
Google Cloud

Swift  
APIs  
Javascript

## Full Stack Developer

[MercerBell \(Saatchi & Saatchi\)](#) Sydney

*Nov 2018 - Apr 2019*

- Built an online hearing test for Cochlear. Front end development in react accessing the Cochlear rest API and Marketo.
- Wrote a node/express rest API for Toyota hosted on AWS. The API handled JSON uploads of car features and options from Toyota store kiosks and sent them to salesforce.

React.js  
Bootstrap 4  
Node.js  
Responsive design

Git  
Jest  
Marketo API  
Salesforce API

JavaScript  
AWS S3  
Jira

## Front End Developer

[Helpwise](#)

Sydney

*Jun 2018 - Sep 2018*

- Built a wholesale order tracking system for six degrees fashion using Angular. Six degrees supplies local retailers with women's clothing they have made in China. WEB API/ SQL Server backend.
- Developed a web site for Financial Services Council using Joomla CMS

Angular 6  
Material UI  
.NET Web API

Git  
JavaScript

Jira  
SQL Server

## Front End Developer

[Fairfax Digital](#)

Sydney

*Apr 2018 - Jun 2018*

- Built a CMS driven web page builder. The CMS allows graphic designers to generate complex web pages quickly.
- Wordpress was used as a headless CMS with react on the front end
- Parallax scrolling, google maps, carousels and animation.

React.js  
Redux  
JavaScript

HTML, CSS, SASS  
Bootstrap  
Wordpress REST API

Git  
PHP

## Front End Developer

[Big Tin Can](#)

Sydney

*Nov 2017 - Feb 2018*

- Worked on a customer facing responsive react/typescript iPad app for T-Mobile USA. Employee work scheduling and customer sign up.

React.js  
Typescript

HTML, CSS, SASS  
JavaScript

Webpack  
Git

## Front End Developer

[Deloitte](#)

Sydney

Feb 2017 - Apr 2017

- Worked on the Relationship Access Manager system for the Australian Tax Office. The system would allow companies that offer tax services to register with the ATO and clients of those companies to apply for services

Angular 2  
MongoDB  
Typescript

Jasmine.js  
Agile

Jira  
Jenkins CI/CD

## Front End Developer

[Audinate](#)

Sydney

Jun 2017 - Nov 2017

- Worked on the Dante Domain Manager (DDM) system for managing networks of audio devices. All networked devices have Dante audio cards for digital audio transfer

React.js  
MongoDB

Meteor Framework  
Bootstrap

Jira  
Agile

## Full Stack Developer

[Terem Technologies](#)

Sydney

Sep 2016 - Dec 2016

- Rebranding and porting the Pago Payments 'try before you buy' deferred payment system for the American market.

PHP 5.4  
Zend  
Composer  
AngularJS

Magento  
German messaging  
Git  
AWS

Paypal API  
Stripe API  
Twilio API  
Mailchimp API

## Front End Developer

[Landsberry & James](#)

Sydney

Aug 2013 - July 2016

- Developed a web app for displaying television, print and radio ad video, images and details. Used by clients to develop advertising campaigns. (savvy)
- Developed an interactive web page builder linked to L&J data (iPort)
- Developed a web app for the Seven television network to display advertisement spot pricing. Comprised of 3 apps written in backbone.js
- <http://www.iport.com.au>

JavaScript

jQuery

TFS

Backbone.js

C#

.NET Web REST API

HTML, CSS, SASS

## Front End Developer

[Incentivated](#)

Sydney

Nov 2012 - Jun 2013

- Wrote mobile app for arrivals and departures at Luton airport
- Froglife Dragon Finder IOS app for reporting sightings of UK wildlife
- iPad app for promoting Tesco club card:
- <http://www.london-luton.co.uk/en/>

JavaScript

Responsive Design

CSS.NET Web SVN

jQuery

HTML, CSS



## Full Stack Developer

[Mass Media / Holler](#)

Sydney

Jun 2012 - Sep 2012

- Added SEO features to the Betta electrical website
- Wrote intranet using Ektron CMS for AIHW
- Wrote microsite for Audi using backbone.js
- Wrote web survey and promotion pages for Unilever products
- Added functionality to Unity water site
- [www.betta.com.au](http://www.betta.com.au), [www.unitywater.com.au](http://www.unitywater.com.au)

VB.NET

SEO

JavaScript

Backbone.js

SQL Server

jQuery

.NET Web Services

GIT

## Front End Developer

[Creative Licence Digital](#)

Sydney

Oct 2011 - Apr 2012

- Developed mobile responsive versions of Cracka Wines and grays online web sites
- Cracka Wines: .NET MVC and jQuery mobile to make mobile responsive versions of existing pages. The pages for grays online mobile were made using backbone.js and html. Added ASP.NET web services to the server to provide data.
- Developed iPad app for sales representatives to present and collect information on customer preferences and transmit data for market
- [www.crackawines.com.au](http://www.crackawines.com.au), [www.graysonline.com.au](http://www.graysonline.com.au)

C# .NET 4.0 MVC 3

JavaScript

Backbone.js

Jade templates

SQL Server

Node.js

Git

HTML, CSS

jQuery

MongoDB

## Mobile / Front End Developer

[Randstad](#)

Sydney

Mar 2011 - Oct 2011

- Developed a mobile version of the Randstad website
- Developed an Objective C iPhone job search app
- Added new features to the Randstad website

C#  
JavaScript

jQuery  
IOS, Objective C

HTML, CSS  
ASP.NET

## Full Stack Developer

[Devotion Digital](#)

Sydney

*Sep 2010 - Mar 2011*

- New features and maintenance of existing websites. jQuery, flash video in popups
- Added functionality to the Australian Wool Innovation website. I developed the Merino Source component which allowed users to interactively register their company details, products and search for existing wool products. Designed database schema, built the web pages and integrated into the content management system.
- [www.avjennings.com.au](http://www.avjennings.com.au), [www.bradfordinsulation.com.au](http://www.bradfordinsulation.com.au), [www.westfund.com.au](http://www.westfund.com.au), [www.mfaa.com.au](http://www.mfaa.com.au), [www.clarendonhills.com.au](http://www.clarendonhills.com.au), [www.sydneyairportshopping.com.au](http://www.sydneyairportshopping.com.au)

C# .NET 3.5  
Visual Studio 2010  
SQL Server

Kentico CMS  
ASP.NET  
Java / J2EE

jQuery  
WebSphere

## App Developer – Permanent

[Health Communication Network](#) Sydney

*Dec 2008 - Sep 2010*

- Added new features and maintenance of Medical Director software.
- Interface design, Database design, electronic prescriptions, document handling, barcode generation, COM plugins, and localization.

C#

ASP.NET Web Forms

.NET MVC

TFS

SQL Server

## Full Stack Developer

[Shindig](#)

Sydney

*Feb 2006 - Feb 2007*

- Shindig is an online CRM system based on hipergate open source software. The system manages contacts, company lists, product catalogs, orders, action lists, call logging and includes a sophisticated web page builder for online product purchasing.
- Threaded database import
- XML/XSL based interactive web builder.

Java

Java Server Pages

Postgres

Javascript

Spring Framework

Tomcat

XML

## App Developer – Permanent

[Deutsche Bank](#)

Sydney

*2000-2005*

- Developed a desktop PC app using Microsoft MFC and C++ for derivatives trading. The system was used internally by traders throughout the world.
- UNIX servers using sockets, threads and XML data.
- Present for the whole SDLC. Specifications, object-oriented design, UAT, documentation and support.

MFC C++

Windows

## App Developer – Contract

STN-Atlas Electronic

Sydney

Nov 97 - Jun 2000

- Developed software for the RAN Hydrographic Ship Project (HSS). Use of sonar technology to capture oceanographic information.
- UNIX RPC client/server communication.
- Wrote GUI desktop app using C++, Motif and ICS BX for presenting live and pre-recorded data.

UNIX C/C++  
RPC, X Windows/Motif

CVS  
ICS BX GUI builder

Shell scripts  
Oracle SQL plus, PL/SQL

## Education

Graduate Certificate in Bioinformatics Sydney University 2003	Protein Function and Structure Statistics Sequences and Genomes Molecular Genetics and Inheritance
Computer Science Honours Sydney University 1986	3D rendering and modelling by <b>ray tracing</b> of algebraic surfaces. C/UNIX, Scene description language in yacc and lex.
Bachelor of Science Sydney University	Major in Computer Science and Pure Mathematics
Music	5 grade classical guitar, 4th grade classical piano, Sydney university guitar jazz ensemble

## Interests

- Mobile development in IOS and flutter
- Audio and Video applications
- 3D graphics in Unity, Three.js and 3D simulations
- Embedded systems in python on Arduino
- AI and Machine Learning
- Science and Engineering, Entertainment, Aerospace, Travel, Construction, Automotive, Energy, Hospitality, Environment
- Music production, performance and software development