

ROBERT TESSLER

Full Stack Developer

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📍 Delft, Netherlands

Key Skills: React.js, Javascript, Typescript, Node.js, Flutter, Swift, Kotlin, React Native, Python

Summary

Full Stack Developer with 10+ years of experience in mobile and web development, specialising in React.js, Node.js, Typescript and cloud services with a strong background in agile methodologies.

Skills

Languages: Javascript, Typescript, Python, Java, Kotlin, C#, C++, PHP

Frontend: React.js, Next.js, Vue.js

Backend: Node.js, FastAPI, Flask, Java, Spring Boot, .NET, Kafka, Laravel, GraphQL

Mobile: Flutter, React Native, Swift, SwiftUI

Database: Postgres, MongoDB, MySQL, SQL Server

Cloud Services: AWS, GCP, Firebase

DevOps: Github Actions, Docker

Version Control: Git

Other: Agile

Work Experience

Mobile / Full Stack Developer [Sping](#)

Sep-2023 - present
Delft, Netherlands

- Development of the QC One React Native app for fruit and vegetable inspections. A complex app with 18000 users. Added mobile functionality to drive sales to new clients. Coding in Typescript, MobX, RealmDB, React Hooks, Jest unit and integration testing.
- Added features to the HVG Tessa Android app for marine steel product inspections. Significantly improved download speeds. Coding in Kotlin, Java, GraphQL, Coroutines, Flow, Room, Retrofit, Hilt, N-Tier architecture, Jetpack Compose.
- Deployment to IOS and Android app stores using Fastlane and GitHub actions CI/CD automated regression testing.
- Worked on 2 research projects: OCR and selective noise cancelling using Python, Google Vision API, PostgreSQL, FastAPI, Docker, Vue.js.
- Contributed to an energy usage calculator Kotlin project allowing users to calculate their total energy usage from multiple devices.
- Agile methodologies: stand ups, sprints, refinements, retrospectives, presentations.

Mobile / Full Stack Developer / Tech Lead [Sway Music](#)

Mar-2022 – Mar-2023
London, Remote

- Developed an innovative text similarity song matching algorithm to find tracks on music streaming platforms. App development in Flutter, Swift, SwiftUI, Kotlin, riverpod, Google Vision API and GCP.
- Implemented notifications, social media, chat, audio streaming, real time update, Zeplin designs, performed IOS and Android app store deployment.
- API development on Firebase cloud servers in Node.js / Javascript and Python / Flask.
- Developed an admin portal in React.js for playlist generation

Full Stack Developer [Twisted Rope](#)

Oct-2021 - Feb-2022
Amsterdam

- Developed a Javascript, React.js, D3.js web app for Accenture to visualise campaign data from a Sharepoint REST API.
- Updated Unity augmented reality AReveryware and Pawpow apps for IOS and android.
- Added features to the legato concert booking system using React.js, PHP, MySQL and Laravel

Full Stack Developer
[Koda Design](#)

Oct-2020 - Sep-2021
Remote

- Developed a web app for [APTC Fiji](#) using Sitefinity CMS, C#, ASP.NET and .NET MVC. An Australian initiative to help education in surrounding island nations.
- Created an IOS Swift App and React.js web app development for [Pepsi Cola Taste Challenge](#). API development in Firebase and GCP using Node.js, Typescript, GSAP.
- Automated import of data into Hubspot CMS using Python, Node.js and shell scripts for Crescent Wealth.
- Maintenance of Crescent Wealth API using Java, Spring Boot, Spring Data JPA, Maven, Kafka, Unit, Mockito
- Maintenance of FSC Joomla CMS site in PHP and OAuth2.

IOS Developer
[Knab](#)

Apr-2020 - Aug-2020
Amsterdam

- Maintenance and development for the Knab IOS Swift App coding in Swift. Redefined the signup process to make it easy for users to register. Use of Swift, UIKit, Core Data, Reactive Programming, MVVM and Coordinator Pattern

Full Stack / Mobile Developer
[Sublime X](#)

May-2019 - Apr-2020
Remote

- Developed a mobile app in Flutter and admin web site in React.js for Marine Rescue NSW. The app reports marine hazards in coastal waters. Use of Firebase, Typescript, React Hooks, Redux, IOS and Android deployment.
- API development on Firebase using Node.js. Backend image storage, automatic image processing, connections to REST APIs, proxy for authentication, PDF generation, GCP Server configuration: Static IPs, SSL certificate, port routing, DNS

Full Stack Developer
[Saatchi & Saatchi](#)

Mar 2018 - Apr 2019
Sydney, Australia

- Built an online hearing test web app for Cochlear. Frontend development in React.js, Javascript, Bootstrap accessing Cochlear and Marketo REST APIs. The app allows users to assess their hearing at home and helps Cochlear identify new customer leads. Unit and integration testing using Jest.js
- Developed a Node.js REST API hosted on AWS for Toyota. JSON upload of car features and options from Toyota store kiosks with data sent to Salesforce. Use of AWS S3, lambda, EC2 and API Gateway.

Front End Developer
[Deloitte](#)

Jan 2017 - Jan 2018
Sydney, Australia

- Relationship Access Manager system for the Australian Tax Office. The system allows companies that offer tax services to register with the ATO. Use of Angular 2, MongoDB, Jasmine.js, Agile, Typescript and Bootstrap

Full Stack Developer
[Landsberry & James](#)

Aug 2013 - Sep 2016
Sydney, Australia

- Created a web app for displaying advertising video, print and radio components and analytics for advertising campaigns. Use of JavaScript, Backbone.js, jQuery, HTML, CSS, SASS.
- Backend development using C#, .NET MVC, .NET Web API, SQL Server
- Developed an interactive web page builder linked to ad data for client presentations
- Created a web app for the Seven television network to display advertisement spot pricing in Backbone.js

Full Stack Developer
[Publicis Groupe](#)

May 2011 - Jun 2013
Sydney, Australia

- Developed an intranet for AIHW using Ektron CMS
- Added functionality to .NET ASP sites: Unity Water, Better Electrical, Audi, Unilever
- Use of C#, ASP.NET, .NET MVC, SQL Server, SEO, JavaScript, Backbone.js, jQuery

Full Stack Developer
[Devotion Digital](#)

Sep 2009 - Mar 2011
Sydney, Australia

- New features and maintenance of ASP.NET sites: [avjennings](#), [bradfordinsulation](#), [westfund](#), [mfaa](#), [clarendonhills](#), [sydneyairportshopping](#). Use of Kentico CMS and C#
- Updated the [wool.au](#) website using Java, J2EE, Spring and WebSphere

Desktop App Developer
[Deutsche Bank](#)

2000-2005
Sydney, Australia

- Created a derivatives trading Windows desktop app using Microsoft MFC and C++. The system would do automatic opportunity spotting and trading
- Improved the productivity of DB traders around the world and generated considerable revenue for Deutsche Bank.

Desktop App Developer
[STN-Atlas Electronic](#)

Nov 97 - Jun 2000
Sydney, Australia

- RAN Hydrographic Ship Project (HSS). Use of sonar to capture oceanographic data to establish new shipping lanes in north Queensland. Data visualisation, C++, Oracle database, UNIX RPC, shell scripting.

Education

Bioinformatics Graduate Certificate Sydney University	Protein Function and Structure, Statistics, Sequences and Genomes, Molecular Genetics and Inheritance
Computer Science Honours Sydney University	Ray tracing of algebraic surfaces in C/UNIX, Scene description language in yacc and lex.
BSc - Sydney University	Computer Science and Pure Mathematics
Music	Grade 5 guitar, grade 4 piano, Sydney Uni jazz ensemble

Achievements

- Real time mapping and visualisation of the ocean floor to establish new shipping lanes. - Atlas
- Developed a music streaming app for sharing between apple music and Spotify users - Sway
- Created a mobile app to record sea conditions and warn of marine hazards - Sublime
- Developed a web based online hearing test to help assess their hearing - Saatchi & Saatchi

Private Projects

- Working on audio VST plugin for auto looping audio using C++ and the JUCE framework
- AI project to detect music clips from film soundtracks using python

Interests

- Mobile development in Swift, Kotlin and Flutter
- Machine Learning and Generative AI in Python
- Computer Vision and robotics
- Audio plugin development using the JUCE framework, DSP and C++
- 3D graphics in three.js, Unreal Engine and Unity
- Embedded systems in C++ and Python on Arduino
- Engineering, Entertainment, Aerospace, Automotive, Energy, Travel & Hospitality, Environment
- Music production and performance.
- Travel, Art, Film, Music