**David Bolis**

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# **OBJECTIVE**

I am keen to apply the knowledge that I have accumulated throughout my university and working experiences towards this position to gain more experience and expand my knowledge in all aspects of being a Software Engineer. I have progressively developed my skills regarding programming, leadership, communication, writing and time management to make me an appropriate Candidate. I would like to put forth all my knowledge in the position I am applying for to make me a well- skilled Engineer in the field of my interest. My passion for my line of work has constantly encouraged me to learn and challenge myself across various fields. I have worked professionally and individually on many projects, including multi-platform applications (created via XCode and Android Studio) and programs (created via Unity and C#) along with professional websites developed using Wix and JavaScript. Upon selection, I will be providing my full commitment to my role and its responsibilities.

# **education**

* Completed Year 12 (2017) at St Bishoy Coptic Orthodox College
* Bachelor of Software Engineering at University of Technology Sydney (2018 – 2022)

# **Main Programming languages**

* Swift
* Python
* C#
* Java
* JavaScript

# **Main working environments**

* Xcode-SwiftUI
* Xcode-StoryBoards
* Android Studio
* Visual Studio Code
* Unity.

# **professional links**

* My YouTube channel: MasteringProgramming -> <https://www.youtube.com/channel/UCnOwMAYcDQRXDrMeL8HDk5A>
* My company’s portfolio: TapAway -> <https://www.tapaway.com.au/portflio>
* My company’s reviews and Wix Profile -> <https://manage.wix.com/marketplace/wix-partner/tapaway#projects>

# **INTERNATIONAL achievements**

* My university nominated me to participate in the Engineering Without Borders (EWB) humanitarian abroad summit in Cambodia, in July 2019. The summit ran for two weeks in different towns and cities in Cambodia. During the summit, I was required to interview and observe locals, discover a problem being faced by them and develop a feasible and practical solution to that problem. My team and I focused on clean energy generation and collaborated to design a solution, that is, to allow solar panels to obtain 35% more energy
* I was nominated for the New Colombo Plan (NCP) scholarship to support my trip to Cambodia. This scholarship is given on behalf of the Department of Foreign Affairs to students who are trusted by the Department and are willing to demonstrate and represent the Australian image to different cultures
* Throughout the summit, I was placed in challenging environments and situations, shaping my personality and empathy towards others who are less fortunate. This developed my communication in a foreign country, my ability to adapt to a challenging lifestyle and my understanding of the world
* I was constantly required to solve real world problems in a range of engineering aspects, not limited to software engineering. I was willing to learn and expanded my knowledge in multiple areas relating to the engineering world
* During the summit, I was also introduced to human centered design, a common problem-solving approach focused on providing solutions, whilst taking into account the user’s perspective.

# **EMPLOYMENT AND EXPERIENCE**

**Application/ Website Developer - TapAway (personal business)**

**(March 2020 - Current)**

* [*TapAway*](https://www.tapaway.com.au/) *is my personal software development business which I solely run and own. TapAway’s main objective is to integrate NFC technology in businesses and appliances. This is achieved by developing websites and applications that interact with the NFC tags. TapAway provides the software (website and application development) along with the hardware (physical NFC tags), thus providing complete solutions to my clients. I launched TapAway in 2020 after gaining confidence in my development and programming skills. Since my launch, I have completed a wide variety of cross platform projects for clients. My clients are worldwide, including but not limited to Germany, USA, Spain, Australia and Italy. You can view my company’s portfolio* [*here*](about:blank) *to observe the projects I have completed. Due to the demand TapAway then extend it’s services beyond just NFC technology offering smart and efficient software solutions to various clients from different platforms.*
* The main tasks I have completed, and skills gained include:
* Creating and maintaining my own business website
* Gathering application requirements from clients
* Providing recommendations on application enhancements
* Mapping and representing application features
* Prototyping
* Full Stack Development
* Organizing and attending virtual meetings with clients
* Effectively communicating, both verbally and written, with clients, including providing progress updates
* Developing and designing applications and websites for clients
* Setting up NFC tags and integrating NFC capabilities for client applications
* Client business consultation
* Creating and managing advertisements
* Managing time between clients to meet deadlines
* Completing Metadata for client applications to prepare them for publishing
* Providing instant solutions to clients and their businesses.
* Publishing regular technology related blogs to keep clients and subscribers updated
* Developed my own product; a smart NFC Pet Tag. The aim is to return lost pets to their owners by setting up an NFC tag to include owner’s contact information and details and attaching it to their pet’s collar. Any individual is able to use their devices to scan the tag of the lost pet and retrieve the owner’s details.

**Research Assistant / Junior Developer - Neuroscience Research Australia (NeuRA)**

**(May 2020 - Current)**

* *Neuroscience Research Australia (NeuRA) is an independent, not-for-profit research institute based in Sydney, Australia. NeuRA leads in brain and nervous system research. Its main objective is to cure and prevent brain and nervous system diseases and injuries*
* The main tasks I have completed and skills gained include:
* Developing software to assist with the execution of medical research
* Creating an IOS iPad application used by clinicians in order to detect a patient’s awareness of their body/ body parts (proprioception) following a medical condition (e.g. stroke), where a demonstration of this application can be shown upon request
* Learning to work independently, as I am the sole developer of the project, supervised by my Manager
* Effective time management, communication and programming skills
* Developing such a unique application has given me the independence, knowledge and confidence to create innovative applications from scratch
* Learning how to apply Agile methodologies in my development cycles has provided me with the skill to participate in stand-up meetings and sprint planning meetings every fortnight.
* Developed a Multi-D assessment used to assess the elderly’s ability to drive. This assessment has the potential and is planned to be used in GP’s and clinical centers.
* The Multi-D tasks consists of a DotMotion Task and a CarsRT task, both are developed in unity using C#.

**Junior Software Engineer - Taggle Systems**

**(July 2019 - February 2020)**

* *Taggle Systems is Australia’s leading telecommunication company focusing on the developing, manufacturing and distribution of Low Power Wide Area (LPWA) radio technology*
* The main tasks I have completed and skills gained include:
* Application Development – I was required to develop and submit an IOS application to the App Store. The application was for Taggle customers and uses NFC technology to scan water-meters and provide water analytics (e.g. water volume consumed). I learnt how to create clean and efficient codes through the MVVM Architecture
* Software Development – I was asked to develop multiple python-based programs to be used by Taggle staff, including developing a powerful comment parser. The program was designed to run through scripts of code, extract the comments from the file and add it into an HTML file. I learnt how to use multiple programming languages within the same program
* Telecommunication – I was asked to work with and evaluate multiple telecommunication technologies, including NBIOT
* Analytics & Statistics – I was required to review and analyze large amounts of data, with the output used by the operations team to evaluate the performance of Taggle projects
* Essential skills – I became more aware of a range of work ethics and standards, including time management skills as to deliver tasks and projects on time
* Following my internship at Taggle, I was hired as a Junior Software Engineer.

# **PERSONAL ATTRIBUTES**

* Innovative
* Goal-oriented
* Risk taker
* Passionate
* Focussed
* Meticulous
* Reliable
* Responsible
* Motivated
* Confident
* Punctual
* Honest
* Polite
* Adaptive
* Willing to learn
* Loves to challenge and be challenged
* Effective verbal and written communication
* Culturally sensitive.

# **REFEREES**

Name of NeuRA referee: Name of Taggle referee:

Title at NeuRA: Title at Taggle

Mobile Number: Mobile Number: