Dennis McDaid

Email: dmcdaid95@gmail.com

GitHub: dns-mcdaid

Phone: +1 845 849 5942

EXPERIENCE

Two Bulls, Melbourne, VIC — Senior Software Engineer

November 2018 - Present

- Android Lead on the University of Melbourne's COVID-19 response app, collaborating with doctors and designers, over the course of two weeks, to guide patients reacting to changes in their physical and mental wellbeing.

- Rearchitected an Android application by introducing Kotlin Coroutines alongside Navigation and Paging Architecture Components, slashing a third of the codebase while accelerating feature development by 50%.

- Led estimations and developed system integration strategies between our team and hardware vendors, mitigating risk by delivering testable builds early and often, months ahead of schedule.

- Brought Cookie Monster to life in an educational app, using the latest ARKit 3 tech; featured on stage at Apple's iPhone 11 announcement.

- Championed cross platform technology on leaner projects, proving the business case for Flutter while halving forecasted development time.

Two Bulls, Brooklyn, NY — Software Engineer

October 2016 - October 2018

- Forged a protocol for iOS and Android communication with embedded bluetooth devices, using RxJava and RxSwift to keep system architecture and testing consistent across both platforms.

- Modeled a dynamic permissions scheme by leveraging DynamoDB with Auth0 user roles, securing CMS access and optimizing performance.

- Paired with designers, using Android Switch Access and TalkBack, to bring WCAG standards to non-traditional UX flows on a digital kiosk.

New York University, New York, NY — Backend Engineer

April 2015 - May 2016

- Reduced database hits by 85% by optimizing queries and caching results, tripling the speed of page load times.

- Designed a full stack web application with a REST API and MVC frontend, digitizing a tedious paper process for over 12,000 students.

EDUCATION

New York University
Class of 2016

Bachelor's Degree, Software Development

PROGRAMMING LANGUAGES

Kotlin (Proficient)

JavaScript (Frequent Use)

Python (Frequent Use)

Java (Some Experience)

Swift (Some Experience)

Dart (Some Experience)

TOOLS & RESOURCES

Reactive Programming (RxJava / RxSwit / etc.)

Native Mobile Development (Android / iOS)

AWS Infrastructure (Serverless / Lambda / DynamoDB / Chime / etc.)

Version Control (Git)

Flutter

Vue.js

Agile

WORKING STATUS

American Citizen

Irish Citizen

482 Visa Holder