

JASON FLEISCHER

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<https://github.com/jasonfleischer> | <https://jasonfleischer.github.io/music-apps/> | <http://jasonfleischer.github.io/website/>

SUMMARY

Software engineer and developer with **7+ years** of experience in the field of **audio technology and music applications**. Proficient in **Swift, Python, C++**, and **Qt**, with strong background in shipping products and releases in an agile mode.

Formerly trained commercial aircraft pilot and current performing **musician with experience in music production**. Interested in utilizing my software engineering and programming skills to optimize tools and applications that advance the music and audio industry and benefit musicians.

Technical Background

- Expertise in XCode and Android Studio developing **Android and iOS platforms applications**
- Competent in several programming languages including: **Java, Kotlin, C, C++, Objective-C**, Swift, **C#, Python, SQL**, Assembly, QML and Processing
- Proficient use of **shell/bash scripts**
- Web Development skills: **JavaScript, HTML, JSON, CSS, NodeJS, NPM**
- **GUI frameworks: Qt, SwiftUI**
- Continuous Integration (**CI**) and sub-versioning experience with **Git** and **SVN**
- **In-depth knowledge of Linux, Mac and Windows operating systems**
- Use of Google Docs, Slack, **JIRA** and Workfront
- Developed critical thinking, problem solving, and analysis skills through my countless hours of computer programming

EXPERIENCE

Software Engineer: ANYTUNE

Mar 2020 - Present | Ottawa, Canada

- Lead developer for the Anytune music software applications for **iOS and mac OS platforms**, supporting developer for **Android**
- Programming languages: **Swift, Objective-C, SwiftUI, Kotlin**
- Led the optimization of software **architecture** and program interfaces: Revamping old legacy code using **MVVM** and **dependency injection**
- Automated **product release process** with XCode Cloud
- Designed **custom widgets** for application components and UI controls
- Established **processes to optimize development** and clean code
- Created a service for **MIDI interop communication**
- Document management and syncing for cloud-stored data
- Extensive collaboration with product management for execution of product requirements

Software Developer: PARADIGM ELECTRONICS

Feb 2017 - Mar 2020 | Ottawa, Canada

- Developed applications for **iOS and Android platforms**, and **mac and Windows OS** with **Qt**
- Applications and projects included:
 - Mobile app to remotely control **subwoofer parameters**
 - ARC (Automatic Room Correction) app for mobile and desktop: Used **Qt** to develop the application wherein the device microphone input was used to automatically **equalize** home theaters/rooms for optimal audio experience

- o Website Development: Customization tools for **audio equipment configuration** such as pre-amps, speakers and subwoofers

Android Developer: THE HOTEL COMMUNICATION NETWORK INC.

May 2014 - Feb 2017 | Ottawa, Canada

- Developed an Android tablet-oriented program with the use of **Android Studio, ADB, GitHub, Gimp, Flask, nginx and CouchDB**
- Start-up experience with a small-team
- Shell scripting, server and database experience

Developer - Business Process Manager: THE OTTAWA HOSPITAL

May 2013 -

Sept 2013 | Ottawa, Canada

- Developed automated clinical process programs with IBM's Business Process Manager (BPM). Involved parsing **XMLs**, using web-services, creating **SQL** stored procedures and coding in **HTML/JS/CSS**

Mobile and Web Developer: PUBLIC WORKS AND GOVERNMENT SERVICES

May 2012 - Dec 2012 | Gatineau, Canada

- Developed mobile applications within the Canadian government for Blackberry and Android platforms
- Web development with the **.Net Framework** for various websites

Aircraft Dispatch & Ground Handling: TRANSWEST AIR

2007 - 2009 | Wollaston Lake SK & Lynn Lake MB, Canada

- Management of dispatching and ground handling of Transwest Air aircraft fleet in northern Canada

EDUCATION

Bachelor of Computer Science

Class of 2015

Carleton University | Ottawa, Canada

- Graduated January 2015. Program included corporate work experience with specialization in Mobile & Social Networking Applications
- Entrance scholarship, numerous awards and bursaries

Commercial Pilot Program and Aviation Technology Flight

Class of 2007

Multi-Engine, Instrument, Night & Seaplane Ratings

Algonquin Flight School & Sault College | North Bay & Sault Ste. Marie, Canada

- Commercial aircraft pilot license with multiple flight ratings
- 260 hours total flight time
- Completed aviation flight and ground school with exception grades

OTHER

- GitHub repository: <https://github.com/jasonfleischer>
- Developed various software music applications to help other musicians practice and improve music practice.
 - o Applications include Ear Trainer, Metronome, Spectrogram. Complete list of applications can be found here: <https://jasonfleischer.github.io/music-apps/>
- Musician: Guitar, vocals, piano and drums
- Recreational music production with Logic (Apple DAW)