JASON FLEISCHER

Ottawa, Ontario, Canada

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http://jasonfleischer.github.io/website/

SUMMARY

Highly experienced software engineer and developer proficient in several programming languages with a strong background in **software design and architecture**, **programming**, **testing**, and shipping products and releases in an agile mode.

Formerly trained commercial aircraft pilot and current musician with experience in music production. Interested in utilizing my 10 years of software engineering and programming skills to develop and optimize tools and applications that advance the world and benefit people.

Technical Background

- Competent in several programming languages including: Java, Kotlin, C, C++, Objective-C, Swift, C#, Python, SQL, Assembly, QML and Processing
- Expertise in XCode and Android Studio developing Android and iOS platforms applications
- 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 & Architect: ANYTUNE INC.

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 Specialist: 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)