Chris Jones

Software // Android // Mobile // Full-Stack

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OVERVIEW

Software developer with over twelve years professional experience covering a broad range of domains; embedded, full-stack, and mobile. Current specialization in Android mobile development.

EXPERIENCE

Wattpad   04/2022 - 03/2023   Sr. Android Developer
- Feature implementation and maintenance of Wattpad's Android App.
- Highlights: Prototyping of MVVM adoption. Mass conversion from Java to Kotlin.
- Keywords: Kotlin, MVVM, Coroutines/Flow, Compose, RxJava, OkHttp, Google Play Console, Firebase Console, Github, Espresso/Robolectric.

Epic! Kids   09/2021 - 03/2022   Android Developer
- Feature implementation and maintenance of Epic's Android App.
- Highlights: Reading speed. Observable app preferences.
- Keywords: Java, Kotlin, MVC, RxJava, Retrofit, Git, Espresso.

Dakia Digital   09/2020 - 07/2021   Lead Android Developer
- Developed a prototype/sales-demo app from scratch, released to the Google Play Store
  (https://play.google.com/store/apps/details?id=com.dakiadigital.hypr.tribes)
- Highlights: Implemented a unified music player with Spotify and SoundCloud as media sources. Rapid personal adoption of Kotlin and "Modern Android" (Jetpack/androidx, MVVM Architecture), whilst developing a new app from nothing, all the way to the store.
- Keywords: Kotlin, MVVM, Coroutines, Jetpack, RoomDB, Retrofit, JSON, SQL, AWS, Git, Firebase Console, Google Play Console.

Manulife   04/2019 - 08/2020   Full-Stack Developer
- Design & development of common web frontend and server components for use across the company's IT business units.
- Highlights: Developed a means to externally automate batches of ServiceNow requests, by mimicking browser requests from a Node.js server. Included a React.js front-end to choose batches and monitor the status of the orders.
- Keywords: MongoDB, Express.js, React.js, Node.js, Javascript, SAML, Jenkins, Docker, CloudFoundry, GitLab.

EXPERIENCE (Cont.)

BlackBerry 03/2017 - 03/2019 Application Developer II
- Feature implementation and maintenance of BlackBerry Android OEM Personal Information Management software. (Pre-Android O)
- Highlights: Implemented "infinite" scrolling calendar agenda, timeboxed by long integer epoch. Complete UI rework of AOSP Calendar and Contacts apps to match BlackBerry specification; including contributions to reusable component library also used in BlackBerry Hub and Tasks apps.
- Keywords: Java, CalDAV, CardDAV, ICAL/VCAL/ICS,

AssetScience 2013 - 02/2017 Software Development Lead
- 2015-2017 – Team Lead & Senior Developer of the ReCell Suite factory automation software for mobile device recyclers. Included a Windows/Linux Java desktop application, Python based mobile device connectivity manager, iOS & Android device testing applications.
- 2013 – 2015 – Lead developer of an SD Card data sanitization product. Included Java desktop control/monitoring application and STM32-based embedded devices.
- Highlights: Resolved device connectivity issues that had been plaguing the solution for years. Reduced customer version rollbacks and increased new version adoption; by reducing release cycle timeframe and implementing CI test automation. Took the SDCard Sanitizer from (existing) proof-of-concept to deployed product (software components only).
- Keywords: STM32, SDIO, C/C++, Java, Python, Linux, Windows.

RIM 2009 – 2013 Embedded/Apps Developer
- 2012 – 2013 – BlackBerry10 OEM Applications developer (Music, Videos, Pictures) - Implementation & Maintenance.
- 2009 – 2012 – Memory & Filesystems Embedded developer. Various implementation and maintenance of flash memory related components in embedded OS, bootloader, and manufacturing automation tools.
- Highlights: Prototyped a "fake USB Mass Storage" device to expose media files, whilst protecting all other files. Optimized BlackBerry Playbook/BlackBerry10 factory software loading, reducing cycle time from a factor of minutes to seconds.
- Keywords: C/C++, Assembly, ARM, SDCard, SDIO, NANDFlash, USB, Qt Framework.

EDUCATION

Conestoga College
2006 – 2010 Software Engineering Technology (Co-op)
- Ontario Advanced Diploma (Associate's Degree) - 3.7/4.0 GPA