

# STEVEN TUCKER

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## Skills

- **Financial:** 5 Years – Tangerine, Scotiabank, TD Universal App, uGo Wallet (TD/PCF), Central One
- **Programming:** 24 Years Experience (Self taught since Junior High – 2000)
- **Android:** 13 Years Experience (Since Android 1.6 in 2010)
- **Android Studio:** 11 Years, Eclipse before that
- **Kotlin:** 5 Years
- **White Label:** 7 Years, including Credit Unions, and Scotiabank Caribbean market
- **Git:** 12 Years using command, SourceTree, Studio connecting to Github, Gitlab, BitBucket
- **Architectures:** 12 Years - MVVM, MVI, MVP, MVC, SOLID, Eventbus, CLEAN, OOP/Functional
- **MVVM:** 8 Years experience. Most companies have a mix
- **Reactive Programming:** 20 Years. Most applications we mainly reactive based until compose
- **RxJava:** 2 Years – RxJava was quickly replaced by coroutines
- **Coroutines:** 5 Years – High priority since their introduction
- **UI:** 17 Years – Many design systems for Android, iOS, Blackberry, Windows, Component Guides
- **Jetpack Compose:** 4 Years – relatively new
- **Accessibility:** 6 Years building component libraries to support A11Y, WCAG compliant
- **Internationalization:** 5 Years specializing in supporting multiple countries and languages

## Professional Experience

**Senior Android Developer:** Rivian Automotive Inc Dec 2023 – Jun 2024

- **Voice Assistant:** Replaced Alexa with inhouse assistant using Sherpa and ONNX
- **LLM AI:** Trained and optimized client side models
- **System UI:** Fixes and features related to voice control functionality

**Senior Android Developer/Lead:** Thoughtworks (Project/Contract completed) Mar 2023 – Sep 2023

- **Peloton Voice:** Lead the team in developing everything voice related, refactoring, and new indicator
- **Shared modules:** Worked with other leads to implement shared modules for voice features
- **Lead:** Orchestrated changes and refactoring for long term strategy
- **Tech:** Kotlin, Java, AOSP

**Senior Android Developer:** Dr. Bill May 2022 – Nov 2022

- **Develop:** Architect and implement changes to migrate from Room database to live calls
- **Bug fix:** Track down and fix bugs based on reports, customer feedback, and log tracing
- **Tech:** Kotlin, Room, KMP

**Senior Android Developer:** Robots & Pencils (Projects completed) Mar 2021 – Mar 2022

- **Student App:** Implemented, Tested, and gave UX feedback on university app – Compose Hybrid
- **Greenwood bank:** Bug fixes and last minute implementations before launch – Pure Compose
- **Securitas:** Version 2 features of reporting app – Compose Hybrid
- **Tech:** Kotlin, Compose

- Senior Android Developer:** Walmart (Office closed) Mar 2020 – Mar 2021
- **Android:** Main responsibility was to add and fix Android features
  - **Migration:** Regularly assisted with migrating from native to React Native
  - **Automation:** We assisted with automated testing using Appium, and builds with Looper
  - **Tech:** Java, Kotlin, React Native
- Principle Android Developer:** Trader Corp Jun 2019 – Nov 2019
- **Architect:** Responsible for modularizing the codebase and designing new libraries
  - **Android Lead:** Mentor new and existing team members. Manage technical issues within team
  - **Developer:** Implement features (push, re-engagement), bug fixing, recommend improvements
  - **Tech:** Java, Kotlin, Salesforce, Swift
- Mobile Technical Lead:** Scotiabank (Caribbean) Oct 2018 – Mar 2019
- **Lead:** Lead technical discussions and solutions for a new mobile app
  - **Team:** Helped organize new team with agile practices and training related to mobile
  - **Android:** Architected Android codebase and best practices
  - **Security:** Scanned and implemented security features
  - **Tech:** Java, Kotlin, Swift, Robolectric
- Senior Android Developer / Team Lead:** Compass Digital (Project completed) Mar 2017 – May 2018
- **Bonapp:** Architect and implement menu and ordering app
  - **Core Libraries:** Created libraries to make components reusable and testable
  - **Tech:** Java
- Senior Android Developer / Team Lead:** TD Canada Trust Aug 2016 – Feb 2017
- **Universal App:** Helped lead a team to refactor UI to support tablet
  - **DCX Liaison:** SME for UI, created shared components from guide, addressed dev questions
  - **Profile & Settings:** Helped lead a team to add profiles and rewrite settings
  - **Tech:** Java
- Senior Android Developer:** Bell Media Inc. May 2015 – Apr 2016
- **One Player:** Rewrite and maintain video player library using best practices and design patterns
  - **CTV, Discovery, Comedy, Space, TSN, RDS:** Maintained and updated shared code base
  - **TMN, BNN, CraveTV:** Updated code base with One Player
  - **Processes:** Added tests, documentation, sample apps, and release notes to library
  - **Tech:** java
- Android Developer:** Normative Design (Short term project contract) Dec 2014 – Feb 2015
- **Pillar To Post:** Wrote Android version of iOS real estate app
  - **Tech:** Java
- Android Developer:** ClearBridge Mobile Inc. (Office moved) Apr 2014 – Nov 2014
- **USA Today:** Updated and maintained app, enhanced user experience
  - **Tech:** Java
- Agile Engineer:** Extreme Labs (Acquired by Pivotal) (Contract - Blackberry) Sep 2013 – Mar 2014
- **uGo Wallet:** Architected mobile wallet using end to end encryption, SIM applets, NFC/RFID

- **XL Studio:** Added automated project creation to prepopulate git repo with code base
- **Tech:** Blackberry, Android, Ruby, Java, RFID, SIM Applet

**Blackberry Developer:** Rogers (Short term project contract) Dec 2012 – Apr 2013

- **Rogers/FIDO My Account:** Added new views for dynamically created interactive layouts
- **Tech:** Java, Blackberry

**Full Stack Mobile Developer:** Stuck On Inc. (My company) Nov 2012 – Feb 2023

- **ESL Helper:** Solution/Software Architect, Managed team of 20 for services, content, design
- **PinPon:** Building an app for delivery and in-store menus to compete with Doordash, etc
- **Easy Note:** I made an app to make it easier to write and sort notes
- **Playway:** Simple app for finding playgrounds
- **E-Shop:** App to scan barcodes for any store
- **Vipped:** VIP invite only app to offer specialized promotions for the VIP clientele
- **User First:** About to publish new design system based on mobile first and user experience
- **Conference Demo:** Video conference call demo with private and public chat rooms
- **Weather Demo:** Weather app using 3<sup>rd</sup> party graphs, REST API, GPS and maps
- **Giofi:** Solution Architect of Fashion app for client
- **Environment:** Custom Jira, Github, HipChat, Automated uploads
- **Tech:** Java, Kotlin, Compose, HTML5, Figma, MD, Android, API, Web, JSON, SQL, AWS, NoSQL

**Software Engineer / Team Lead:** Zynga Inc. / Five Mobile Inc. Jun 2010 – Oct 2012

- **Zynga Poker:** Added features, bug fixes, eventually lead team
- **Words With Friends:** Assisted with feature development
- **GDK:** Implemented core library for game development, lead team for some components
- **Slots With Friends:** Solo team for developing slots demo app
- **Solitaire:** Built reusable library for card games
- **Reports:** Profiled pages, optimized SQL calls, and added caching
- **Five Mobile was acquired by Zynga in July 2011**
- **Cineplex:** Wrote UI for entire app
- **The Score:** Added sports and maintained code base using cross platform design
- **Tech:** Java, Android, Blackberry, TV, SQL,

**Junior Software Developer:** Cathexis Inc. (Became IDBlue Inc.) 2007 – 2008

- **ID Blue:** Exposure to debugging from Oscilloscope to C, C++, C#, over Serial, Bluetooth, USB
- **Drivers:** Wrote C++ drivers for communicating with device and marshaled it C#
- **Demos:** Wrote Demos in C# and XaML for clients including Bill Gates
- **Tech:** Palm Pilot (.Net), Blackberry, Binary, Oscilloscope, Drivers, RFID, Bluetooth, Java, C, C++, C#, Windows Phone, Xaml

**Programmer:** Independant tasks 2000 – 2007

- **Web:** Bio pages for university, restaurant menus, Tic Tac Toe game, Utils for work and school
- **Web POS:** Wrote ASP POS for bridal rental company
- **Apps:** Wrote C# app for Softball league for managing game data, attempted C# DirectX game
- **Tech:** ASP, PHP, HTML, SQL, C#

## Education & Certifications

<b>Bachelors:</b> Memorial University of Newfoundland	2003 – 2007
<ul style="list-style-type: none"><li>• <b>Majors:</b> Computer Science, Business Administration</li><li>• <b>Minors:</b> Math, Psychology</li><li>• <b>Extracurricular:</b> VP of Events at International Student Centre, working full-time</li><li>• <b>Graduation:</b> Incomplete to pursue career opportunities</li></ul>	

## Awards & Skills

<b>TD ACT:</b> Monthly recognition for going above and beyond	Jan 2017
<b>Imagine Cup:</b> Ranked 16 <sup>th</sup> in the world for Logic among students	2005
<b>Robotics:</b> Our team made it to nationals for building a robot	2001
<b>Chess:</b> 2 <sup>nd</sup> Place provincially	2003
<b>Math:</b>	
<ul style="list-style-type: none"><li>• <b>Math contest:</b> 1<sup>st</sup> Place in Newfoundland</li><li>• <b>Pascal (Grade 9 Only):</b> 1<sup>st</sup> Place provincially while in Grade 9</li><li>• <b>Pascal (Grade 9 Only):</b> 6<sup>th</sup> Place provincially while in Grade 8</li></ul>	<div>2002</div> <div>2000</div> <div>1999</div>
<b>Rubix Cube:</b> Can complete in 3 minutes average	Current

## Hobbies

<b>Teaching Android:</b> I was teaching a class of 10 in my spare time, mainly weekends	2019 – 2020
<b>Do It Yourself:</b>	
<ul style="list-style-type: none"><li>• <b>King Bed:</b> Built a custom bedframe with drawers, shelves, smart lights/speakers</li><li>• <b>Balcony:</b> Built custom smart sofa set, tables, chairs to exact size of balcony</li><li>• <b>PC + Desk:</b> Built desk with 12 4k monitors and top of the line dev system</li></ul>	<div>2020</div> <div>2020</div> <div>2021</div>
<b>Japanese:</b> I've been learning Japanese on the side, but recently haven't had time	2013 – Now
<b>Side Projects:</b>	
<ul style="list-style-type: none"><li>• <b>ESL Helper:</b> Built an app to help ESL student to come, live, study, and work</li><li>• <b>PinPon:</b> Building an app for delivery and in-store menus</li><li>• <b>EasyNote:</b> I made an app to make it easier to write and sort notes</li></ul>	<div>2015 – 2019</div> <div>2019 – Now</div> <div>2016 – 2018</div>