

# Steven Tucker

Senior Android Developer

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## Professional Summary

Senior Android Developer with 15+ years of experience building scalable, maintainable apps using Kotlin and Jetpack Compose. Skilled in leading platform modernization, mentoring teams, and collaborating cross-functionally to deliver high-quality mobile solutions. Experienced in remote work and integrating AI-driven features to enhance user experience.

## Core Skills / Technical Stack

- **Core Android Development:** 15+ years, Android 1.6 to 14, White-label apps & Flavors
- **Kotlin:** 6+ years, Extensions, Higher-Order functions, Class types, Generics, Delegation
- **Jetpack Compose:** 5+ years, Responsive design, State-Driven UI
- **Security:** Secure coding, E2E Encryption, Best practices, Auth patterns, Certs, Storage
- **Domain Expertise:** Financial Services, AI & Voice Assistants, System UI, E-commerce, Media
- **Concurrency:** Coroutines, Flow, RxJava, Multithreading, Concurrent design patterns
- **Databases:** UltraLite, Room, SQLite, Firebase, Encrypted Cache, SQL
- **Architectural Patterns:** MVVM, CLEAN, SOLID, MVI, MVC, MVP
- **UI/UX:** Design systems, Internationalization, Component libraries, Accessibility (WCAG)
- **Testing:** Unit testing, UI testing (Espresso, JUnit), Automation, Test-Driven Development (TDD)
- **Tech:** Dependency Injection, ViewModel, LiveData, Retrofit, REST APIs, Android SDK

## Experience

### Senior Android Developer — BC Ferries Services Inc (2024–2026)

Mobile ticketing • Data model optimization • Contract (Mobile POS rewrite)

- Delivered a modern mobile POS system for ticketing and reservation redemption, enhancing user experience
- Developed and optimized Kotlin data models synchronized with SQL tables, improving data handling efficiency
- Utilized Kotlin, MobiControl, UDB, and ZPL technologies with custom hardware to deliver efficient modern solutions

### Senior Android Developer — Rivian Automotive Inc (2023–2024)

AI & Voice Assistant • System UI • Contract (Project for Alexa Replacement with LLM)

- Replaced Alexa with an in-house voice assistant using Sherpa and ONNX, improving responsiveness and customizability
- Trained and optimized large language models for efficient client-side inference
- Implemented system UI modifications and voice control features enhancing user interaction

### Senior Android Developer / Lead — Thoughtworks (2023)

Voice Assistant • System UI • Contract (Voice commands for hands-free operation)

- Led development and refactoring of Voice features, improving voice interaction quality
- Collaborated with team leads to implement shared voice modules, increasing code reuse
- Orchestrated long-term architectural changes to improve maintainability

## **Senior Android Developer — Dr. Bill (2022)**

Healthcare • Room Migration • Contract (Project for DB migration)

- Architected and implemented migration from Room database to live API calls, improving data freshness
- Investigated and resolved bugs using customer feedback and log analysis
- Enhanced app stability and user experience through proactive issue resolution and performance improvements

## **Senior Android Developer — Robots & Pencils (2021–2022)**

Fintech • Education • Compose hybrid apps • Contract (Multiple app deliveries)

- Developed and tested university student app with hybrid Compose UI, improving user engagement
- Delivered bug fixes and feature enhancements for Greenwood Bank's pure Compose app before launch
- Implemented features for Securitas reporting app with Compose Hybrid architecture
- Implemented and tested WCAG Accessibility compliance

## **Senior Android Developer / Lead — Walmart (2020–2021)**

E-Commerce • Migration assistance • Contract (platform migration and Office closure)

- Delivered key Android feature updates and bug fixes to improve app stability and usability
- Assisted with migration from native Android to React Native framework, easing transition
- Supported automated testing efforts using Appium and CI/CD build pipelines

## **Principal Android Developer — Trader Corp (2019)**

Modularization • Team mentorship • Contract (Codebase modularization and feature rollout)

- Architected modular codebase and designed reusable libraries to improve scalability
- Mentored new and existing team members, resolving technical challenges
- Implemented push notifications and user re-engagement features

## **Mobile Technical Lead — Scotiabank (Caribbean) (2018–2019)**

Fintech • Security • Mobile Lead • Contract (New banking app and team leadership)

- Led technical discussions and solution design for a new mobile banking app
- Organized agile team practices and mobile-focused training
- Architected codebase and implemented security features including scanning and authentication
- Guided UI design with WCAG compliance for Accessibility

## **Senior Android Developer / Team Lead — Compass Digital (2017–2018)**

Menu & ordering app • Contract (Project for Menu and ordering app)

- Architected and implemented menu and ordering application, improving client UX
- Developed reusable core libraries to enhance component testability and maintainability

## **Senior Android Developer / Team Lead — TD Canada Trust (2016–2017)**

UI refactor • Modularization • Contract (UI overhaul and shared component creation)

- Led UI refactor to support tablet devices and improve responsiveness
- Served as SME for UI, created shared components based on design guides, and resolved developer queries
- Led development of profile and settings features with focus on usability

## **Senior Android Developer — Bell Media Inc. (2015–2016)**

Video player library • Contract (Video player rewrite and multi-app support)

- Rewrote and maintained video player library applying best practices and design patterns
- Maintained shared codebase for multiple media apps including CTV and CraveTV
- Added unit tests, documentation, sample apps, and release notes to support library adoption

## Leadership & Influence

- Set technical direction for Android architecture, modularization, and shared libraries
- Led voice and on-device AI initiatives at the platform and system UI level
- Mentored developers through code reviews, refactoring, and design discussions
- Influenced cross-functional teams on mobile constraints, APIs, and UX decisions
- Led modernization of legacy Android codebases, including Jetpack Compose adoption
- Established quality, security, and release practices for production Android apps

## Education

### **Computer Science & Business Administration**

Memorial University of Newfoundland

## Earlier Career (Pre 2015)

### **Android Developer — Normative Design (2014–2015)**

Real Estate • App Development • Contract (Project for Android version of iOS app)

### **Android Developer — ClearBridge Mobile Inc. (2014)**

News Media • App Maintenance • Contract (Project for USA Today app updates)

### **Agile Engineer — Extreme Labs (2013–2014)**

Mobile Wallet • Security • RFID • SIM • Lead • Contract (Projects for Wallet & automated projects)

### **Blackberry Developer — Rogers (2012–2013)**

Telecom • Contract (Project for Dynamic interactive layouts)

### **Full Stack Mobile Developer — Stuck On Inc. (2012–2023)**

Multiple Domains • Solution Architecture • Permanent (Founder & Lead Developer)

### **Software Engineer / Team Lead — Zynga Inc. (2010–2012)**

Gaming & Media • Blackberry & Android • Team Lead • Permanent

### **Junior Software Developer — Cathexis Inc. (2007–2008)**

Driver Development • Bluetooth • RFID • C, .NETCF, JAVA • Permanent (Company acquired)

### **Programmer — Independent (2000–2007)**

Web & Apps • Self-taught Development