

Colin Tucker

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Senior Android Engineer and former Staff Software Engineer / Android team lead with 10+ years shipping production mobile apps. Specializes in Kotlin, Jetpack Compose, reusable libraries, and SDK / API design, with experience spanning carrier apps reaching millions of users and independently shipping Elsie Home to Google Play.

CORE SKILLS

Kotlin • Java • Android SDK • Jetpack Compose • SDK / API Design • Reusable Libraries • Multi-Module Architecture • Coroutines / Flow • JUnit / MockK • Compose UI Testing • CI/CD • Gradle • Git • Performance Profiling • Swift / SwiftUI • MVVM / Clean Architecture • Hilt • REST APIs • Retrofit / OkHttp • Room • WorkManager • Firebase Crashlytics / Remote Config • Android NDK / JNI • Accessibility • AI-Assisted Development

PROFESSIONAL EXPERIENCE

Senior Android Engineer / Founder

FangJet | May 2026 – Present | fangjet.com

- Shipped Elsie Home to Google Play, an Android launcher for older adults and people with low vision, featuring large touch targets, voice commands, medication reminders, and a magnifier. Launched elsiefamily.com on Firebase Hosting.
- Architected Elsie's multi-module Kotlin launcher and caregiver app with shared contracts, reusable libraries, and Coroutines / Flow.
- Implemented secure Firebase pairing and Firestore access rules, backed by 260+ unit and Compose UI tests and GitHub Actions CI.
- Built an open-source weather app for Android (Kotlin/Compose) and iOS (Swift/SwiftUI).
- Built two PHP/MariaDB platforms for Data Story Strategy: a CRM with an MCP server and a paid AI document-analysis product with Stripe payments and human review, backed by 400+ and 440+ PHPUnit tests, respectively.

Senior Android Engineer

Digital Turbine | Mar 2022 – Apr 2026

- Built Kotlin and Jetpack Compose features for carrier Android apps on Google Play and OEM preload, reaching millions of daily active users across AT&T, Cricket, U.S. Cellular, MetroPCS, and other partners.
- Converted Discover Bar into a reusable Android library adopted across 3 carrier apps; owned API design, GitLab release pipelines, versioning, integration documentation, release notes, and consuming-team support.
- Improved app startup time by 50% and build times by 35% through performance profiling, Gradle optimization, and GitLab CI/CD improvements.
- Migrated 16+ screens, roughly 90% of a legacy multi-module app's UI, to Jetpack Compose and introduced Hilt dependency injection.
- Owned onboarding, personalization, toolbar, widgets, and settings from requirements through release and Crashlytics monitoring, with Remote Config for rollout and carrier configuration.

- Delivered Age Verification for carrier apps under a regulatory deadline, integrating Play Age Signals APIs, background processing, launcher restrictions, Digital Turbine's Ignite system app, and Remote Config.
- Provided architectural guidance, code reviews, mentoring, and technical documentation.

Independent Android Consultant

FangJet | Jan 2021 – Jan 2022

- Prototyped an Android app using OpenCV and the Android NDK to isolate whiteboard content from live camera input and stream enhanced output to conferencing platforms.

Staff Software Engineer / Android Team Lead

ThinkRite Inc | Mar 2011 – Jan 2021

- Led Android development for a Twilio-based video app, owning mobile features end-to-end and coordinating shared functionality with iOS and web engineers.
- Built real-time communication features resilient to poor networks, device state changes, and failure scenarios.
- Established MVVM, modular development, code review, testing, and CI/CD standards, increasing unit test coverage from 20% to over 80%.
- Mentored engineers, conducted technical interviews, and led knowledge-sharing sessions across the team.

Senior Systems Engineer

VoiceRite Ltd | Oct 2001 – Mar 2011

- Developed and supported enterprise telephony and messaging systems across 30+ countries, spanning desktop, web, BlackBerry, IBM Lotus Notes, and Sametime.

EDUCATION

University of East Anglia (UK)

BSc Hons in Computer Science (2:1), 2001

- Year abroad at the University of Colorado Boulder, attaining a 3.88 GPA and earning an internship with the Department of Applied Mathematics.

INTERESTS

Mountain Biking • Trail Running • Triathlons • Chess