

Colin Tucker

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Senior Android Engineer with 20+ years of experience building scalable, high-performance applications across mobile, desktop, and enterprise systems. Proven track record delivering features to millions of users, modernizing legacy codebases, and improving development efficiency through CI/CD and AI-assisted workflows. Strong collaborator across Product, QA, and Design teams.

CORE SKILLS

Kotlin • Jetpack Compose • Android Architecture (MVVM / Clean) • Hilt (DI) • CI/CD (GitLab, Gradle) • Performance Optimization • REST APIs • Unit Testing • Technical Documentation • AI-Assisted Development

PROFESSIONAL EXPERIENCE

Senior Android Developer

Digital Turbine | Mar 2022 – April 2025

- Delivered features used across millions of devices, maintaining high standards for performance and reliability
- Led development of key features including Age Verification, onboarding flows, and widget enhancements, collaborating with Product, Design, and QA under tight deadlines
- Owned features end-to-end from design through release, improving delivery predictability and cross-team alignment
- Modernized legacy codebase by migrating to Jetpack Compose and introducing Hilt dependency injection, improving maintainability and development velocity
- Improved code quality and stability through refactoring, stronger testability practices, and adoption of modern Android patterns
- Optimized Gradle builds and GitLab CI/CD pipelines, reducing build and release friction
- Leveraged AI tools (Gemini, Cursor) to accelerate unit testing, documentation, and code reviews
- Partnered with QA to ensure high-quality releases across parallel versions, proactively resolving regressions
- Improved app performance through profiling, memory optimization, and cleanup of legacy code

Freelance Software Engineer

FangJet LLC | Jan 2021 – Mar 2022

- Built Android applications using real-time video processing (OpenCV) for live streaming to conferencing platforms
 - Developed accessibility-focused Android launcher for elderly and visually impaired users
 - Implemented on-device voice recognition and wake word detection
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Staff Software Engineer / Android Team Lead

ThinkRite Inc | Mar 2011 – Jan 2021

- Led Android development for a productivity and communications platform integrating Twilio, VoIP, and calendar systems
 - Designed and implemented core features including real-time communication, push notifications, and API integrations
 - Introduced unit testing and CI/CD practices (JUnit, Mockito, Jenkins, GitLab CI)
 - Mentored engineers, conducted interviews, and led knowledge-sharing sessions
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Senior Systems Engineer

VoiceRite Ltd | Oct 2001 – Mar 2011

- Lead developer of a multi-platform voicemail and telephony application integrated with **IBM Lotus Notes and Sametime**
 - Worked with **SIP, ISDN, QSIG**, DB2, and WebSphere in high-reliability environments
 - Delivered global installations and upgrades of enterprise messaging systems across 30+ countries
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Java Programmer Intern

University of Colorado | May – Sep 2000

- Developed a web-based system for rendering interactive mathematical notation

EDUCATION

University of East Anglia (UK)

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

- Coursework included multiple Java-based projects such as a chess application and a normalization component for a text-to-speech engine, responsible for preprocessing input text.

- Spent a year abroad at the University of Colorado, Boulder where I attained a GPA of 3.88, and did an internship at the Department of Applied Mathematics.
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PROFESSIONAL CERTIFICATIONS

- IBM DB2 Certified Database Associate – DB2 10 [2014]
 - IBM Sametime Unified Telephony Professional [2010]
 - IBM Certified Specialist – pSeries AIX System Admin [2004]
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INTERESTS

I enjoy playing pickleball and chess, and am passionate about outdoor sports such as mountain biking, hiking, rock climbing, and trail running.