

ZACK ROBINSON

Senior Mobile Engineer — Native Android (Kotlin / Jetpack Compose) & iOS (Swift / SwiftUI)

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SUMMARY

Senior mobile engineer with **8+ years** shipping native Android apps (Kotlin/Java, Jetpack Compose, MVVM/MVP) in regulated, high-reliability domains: healthcare (Dexcom G6/G7, CVS/Aetna), crash detection (CCC), logistics (JJ Keller), streaming (STARZ), and quick-service retail (McDonald's). Now also shipping native iOS in Swift/SwiftUI. Strong in performance optimization, release readiness, incident triage, log-driven diagnosis, and turning recurring failures into durable fixes. Comfortable owning the backend and CI that ship around a mobile product.

CORE SKILLS

Mobile	Kotlin, Java, Jetpack Compose, Swift, SwiftUI, MVVM/MVP, Coroutines, Room, offline-first sync, maps, Bluetooth/BLE
Quality & Release	CI/CD (CircleCI, AppCenter, Google Play, App Store Connect, Amazon App Store), Espresso, Appium, JUnit/Mockito, SonarCloud, code review, release readiness
Observability	Crashlytics, Firebase, New Relic, Mixpanel; log- and crash-driven diagnosis
Backend / Full-stack	Node, Express, Prisma, Zod, React, Next.js, FastAPI, PostgreSQL, SSE
Workflow	AI-assisted development with Claude Code and Codex, gated by tests, CI, and code review

EXPERIENCE

Blenders in the Grass (via Seamgen / Keystone Analytics) — Senior Android App Developer

May 2024 – Present

Remote • Contract

- Built native Android features for QR scanning, rewards, and payment processing in a retail ordering app.
- Shipped product catalog and mobile-ordering features, including native Clover workflows for ordering and barcode/QR scanning.
- Designed reliability into payment and scanner flows up front rather than as post-launch cleanup.

Dexcom, Inc. — Senior Android Developer

Jul 2022 – Apr 2024

Remote • Contract (Spotlight)

- Supported the regulated Dexcom G6/G7 platform with a focus on operational stability, safe rollout, and defect remediation.
- Updated Alerts SDK and app flows for new sensor support; strengthened tests to reduce regressions.
- Implemented and generalized country-of-residence eligibility checks for regional support rules, reusable across modules.
- Owned code flow and review quality for **7 Android engineers**; coordinated defect triage and release-readiness decisions via Jira/Confluence.

CVS/Aetna (ActiveHealth) — Senior Android Developer

Jul 2020 – Apr 2022

Remote/Hybrid • Contract (Seamgen)

- Led major UI/UX and navigation updates across dashboard, challenges, coaching, and profiles, balancing stakeholder requests against implementation risk.
- Improved release quality with unit testing and deployment upgrades (CircleCI, SonarCloud, AppCenter, Google Play); fixed **hundreds of accessibility defects**.
- Reviewed code for a 4-engineer team and ran weekly demos to reduce stakeholder churn.

CCC (Certified Collateral Corporation) — Senior Android Developer, Crash Detection Library

Dec 2019 – Apr 2020

Contract (TekSystems)

- Refactored sensor/data collection into a reusable library deliverable (Gradle dependency).
- Improved detection-service battery life **~7%** over one hour; reduced network usage and improved file I/O during anomaly detection.
- Added Crashlytics/Firebase analytics and logging for diagnosis and iteration on always-on sensing.

JJ Keller & Associates — Senior Android Developer

Dec 2019 – Mar 2020

Contract (TekSystems)

- Improved ELD Bluetooth connection rate **~20%** and redesigned connection UX, cutting call-center support burden **~40%**.

- Removed **~5,000 lines** of duplicate code and centralized location-services logic to improve reliability in a large codebase.

STARZ, Inc. — Android & Amazon Developer

Sep 2018 – Aug 2019

Direct

- Built and maintained streaming features across Android mobile and TV, including international variants and scalable UI components.
- Added QA/debug tooling (bandwidth meter, QA helpers) and environment controls to accelerate release cycles.

McDonald's, Inc. — Senior Android Developer

Dec 2017 – Sep 2018

Direct

- Integrated APIs, payments, store locator, localization, and analytics on a high-scale consumer app under GDPR-adjacent constraints.
- Owned repo/branching strategy, CI/build automation, and publishing to Google Play and Amazon App Store.
- Automated QA with Appium/Espresso and monitored production telemetry (Crashlytics, New Relic, Mixpanel).

SELECTED PROJECTS

AidNow — Emergency hotline directory for Negros Island, Philippines (2025–2026). Native Android (Kotlin, Jetpack Compose), a SwiftUI iOS client, and a Next.js web app sharing one Express/Prisma/Postgres backend with generated contracts. **1,600+ automated tests**; Android in Play review, iOS with App Review.

Valkyrie Dispatch — Full-stack emergency dispatch and fleet platform (2025–2026). Native Android client with a SwiftUI iOS port, real-time SSE streaming, shared-contract Kotlin codegen, and **1,200+ tests** on a real-database CI pipeline.

DipRadar — Android market screener (2025–2026). Kotlin, Jetpack Compose, Room, Coroutines; multi-signal scoring, diff-based alerts, and background refresh.

EDUCATION & HONORS

Indiana University of Pennsylvania — B.S. Technical Communications (*Summa Cum Laude*), Minor in Computer Science
Eagle Scout • Vigil Honor (Order of the Arrow)