



# AARON STRICKLAND

✕ Mobile Software Developer – iOS & Android ✕

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Mobile developer since 2018 with a focus on native iOS and Android. Sole mobile developer at two companies – built both platforms from scratch, owned the full release pipeline, and shipped to production independently. Most comfortable in Swift and Kotlin, but I've also built full-stack web projects and automated content systems using AI agents. I pick up new tools quickly and enjoy solving problems where software meets hardware.

## INVENTORY

### PRIMARY

Swift, SwiftUI, UIKit, Kotlin, Jetpack Compose – native-first on both platforms since 2018.

### SECONDARY

React Native/Expo, TypeScript, Next.js, Node.js, Python – used for personal and freelance projects.

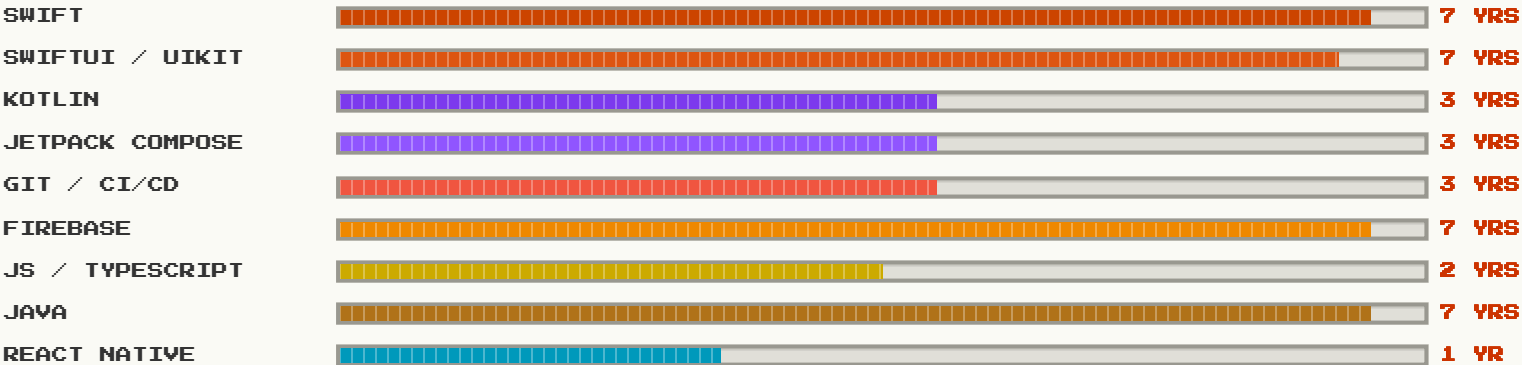
### INFRASTRUCTURE

Firebase, Supabase, Vercel, REST APIs, WebSockets, CoreBluetooth, BLE protocol integration.

### TOOLING

Git, Fastlane, GitHub Actions, TestFlight, Google Play Console, Xcode, Android Studio, Jira, Figma.

## STATS



ALSO: SQL, Python, C# | CoreBluetooth, CoreData, Combine, AVFoundation, MapKit | Room, Retrofit, Hilt/Dagger, Coroutines | Testing (XCTest, JUnit, Espresso) | Postman, Charles Proxy

## QUEST LOG

### CONTRACT DEVELOPER – DYNAMIC ACCESS SOLUTIONS

2025 – Present

- Brought back to modernise legacy Java/Objective-C mobile apps to Kotlin and Swift.
- Building a cross-platform BLE key management tool to replace a discontinued vendor SDK – macOS and Windows desktop via Python/WebSocket architecture.
- Reverse-engineered an undocumented encrypted BLE protocol (AES-128-ECB) to restore key programming functionality after vendor support ended.

### SOFTWARE DEVELOPER – UNIFY BUSINESS SOLUTIONS

2021 – 2025

- Sole mobile developer responsible for iOS and Android apps used daily in custodial environments.
- Shipped both platforms from scratch to production – App Store and Google Play, including CI/CD setup with Fastlane.

- Implemented VoIP calling, real-time messaging via WebSockets, and push notification infrastructure.
- Maintained strict compliance standards for sensitive communications data in prison and secure facility contexts.
- Handled all crash triage, hotfix deployments, and release management independently.
- Collaborated directly with backend developers on API design, WebSocket contracts, and database schema changes.

## SOFTWARE DEVELOPER – DYNAMIC ACCESS SOLUTIONS

2018 – 2021

- Built the iOS and Android apps for eLOQ – a BLE-based smart key system used across multiple commercial sites.
- Integrated Chinese manufacturer BLE SDKs, debugging undocumented firmware behaviour across hardware revisions.
- Developed admin tools for key management, access logging, and multi-site user permissions.

## › SHIPPED APPS



### eLOQ – Dynamic Access Solutions

BLE smart key management. I built both mobile apps, integrated encrypted hardware protocols, and developed the admin dashboard.

iOS & ANDROID



### UNIFY MESSENGER – Unify Business Solutions

Secure messaging for the custodial sector. Sole mobile developer – built both apps, VoIP calling, and real-time messaging.

iOS & ANDROID



### POWERFUL REPORTS – Personal

Ofsted inspection analytics for early years practitioners. Built for my wife's consultancy – used by nurseries across the UK.

iOS, iPad & ANDROID



### ORDERNISE – Personal

Sales and inventory tracking app for independent online sellers. Designed, built, and shipped solo.

iPHONE & iPad



### ODDLY ENOUGH – Personal

Weird news app with a fully autonomous AI pipeline – 7 agents handle sourcing, writing, quality auditing, SEO, and social media posting.

iOS & WEB

## › TRAINING GROUNDS

### 📌 BSc SOCIAL COMPUTING

University of Lincoln – 2015 – 2018

### 📌 BTEC LEVEL 3 EXTENDED DIPLOMA IN COMPUTING

The Grimsby Institute – 2013 – 2015

## › BONUS STAGE

**SIDE PROJECTS:** Open-source Swift packages (Toastie), autonomous AI-powered news site (Oddly Enough), and full-stack web apps. Genuinely interested in AI tooling and developer workflow automation.

**REFERENCES:** Available on request.

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