

JOHN DURCAN

Senior iOS Engineer | 🏠 Farnham, UK | ☎️ +07861 003 938 | ✉️ john.durcan@me.com

🔗 itch.studio | [LinkedIn](#) | [GitHub](#) | [X @JohnDurcan](#) | [Medium @britishdevdiary](#)

PROFESSIONAL SUMMARY

Passionate Senior iOS Engineer with 5+ years of production experience and a distinguished 12-year background as a successful agency founder. Expert in **Swift and SwiftUI**, with a proven track record of leading technical transformations—including the migration from legacy UIKit architectures at OANDA.

I combine deep technical engineering with the mature strategic judgment and resource management skills gained from leading teams of 20+ staff. Known for a "**nothing is impossible**" attitude and the ability to ship complex, high-performance MVPs at exceptional velocity by leveraging modern APIs and AI-assisted development. I am a dedicated individual contributor focused on building clean, testable code and category-defining mobile experiences.

Strategic Experience (OANDA)

Senior iOS Developer | OANDA (formerly Coinpass)

Oct 2023 – Present

- **Technical Transformation:** Leading the core iOS engineering team in the critical migration of flagship crypto trading applications from legacy UIKit to a modern SwiftUI architecture.
- **Foundational Architecture:** Architected and implemented a high-performance RESTful networking layer and a custom Dependency Injection (DI) container, significantly improving app scalability and data management efficiency.
- **Engineering Standards:** Established and enforced global code quality standards by implementing SwiftLint, defining the mobile style guide, and optimising Git-flow processes for a more professional production environment.
- **Mentorship & Collaboration:** Championed a culture of technical excellence through structured architecture planning sessions, code reviews, and pair programming.

iOS Developer (Freelance & Contract)

Jan 2019 – Oct 2023

- **High-Impact Contracts:** Delivered technical fixes, UI/UX enhancements, and search filter optimisations for leading UK brands including **Cazoo, Oja, Glisser, and Allplants**.
- **Global Delivery:** Supported App Store submissions and bug resolutions for 15+ international clients, ensuring high-quality deployments and performance stability.
- **Rapid Integration:** Specialised in dropping into existing codebases to resolve complex UI bugs and architectural bridge issues under tight deadlines.

TECHNICAL PROJECTS

TimerStack (Product Owner & Lead Developer)

timerstack.app

- **High-Velocity Build:** Architected and developed a high-performance productivity application from concept to App Store submission in just 7 weeks.
- **API Integration:** Successfully integrated HealthKit and MusicKit to provide a deeply integrated user experience.
- **Modern Tooling:** Leveraged AI-assisted development workflows (Google Antigravity) to accelerate feature delivery and maintain high code quality.

PoeticAI (Product Owner & Lead Developer)

poeticai.info

- **AI Integration:** Developed an AI-powered poetry generation app utilising the OpenAI API for both text generation and DALL-E image synthesis.
- **Core Systems:** Implemented local persistence using CoreData and handled monetisation through StoreKit (In-App Purchases).
- **Distribution:** Managed the full App Store lifecycle, including App Store Optimisation (ASO) and Apple Search Ads campaigns.

SwiftUI & Core Bluetooth Showcase

[GitHub](#)

- **Bluetooth Engineering:** Built a diagnostic and interaction tool using CoreBluetooth to interface with hardware devices (details at itch.studio).
- **Advanced UI:** Regularly publish open-source SwiftUI demos showcasing complex animations, MatchedGeometryEffect, and custom shape morphing.

ENTREPRENEURIAL FOUNDATION

Co-Founder & Operations Director

Hotcow Ltd 2006 – 2018

- **Business Growth:** Co-founded and scaled a successful marketing agency, managing a diverse team of 20+ staff and delivering large-scale PR and product campaigns for global brands.
- **Product Strategy:** Directed the development of internal tools and client-facing digital assets, ensuring technical execution was perfectly aligned with high-level business cases.
- **Operational Leadership:** Owned end-to-end resource management, financial planning, and stakeholder engagement, developing the high-level professional maturity required for Senior-level roles.
- **Problem-Solving Culture:** Established a "Nothing is Impossible" engineering culture that I continue to apply to technical challenges today.

TECHNICAL EXPERTISE

- **Languages & Core:** Swift (Expert), Shell Scripting, Basic Objective-C, JavaScript.
- **iOS Frameworks:** SwiftUI (Expert), UIKit, Combine, CoreData, CloudKit, CoreBluetooth, HealthKit, MusicKit, StoreKit, Apple Pay.
- **Architecture & Patterns:** MVVM, Clean Architecture, Dependency Injection (DI), Programmatic UI, Concurrency, WebSockets.
- **Integrations & AI:** OpenAI API, AWS (Cognito, DynamoDB, EC2), Firebase, AppLovin (AdTech).
- **Engineering Tools:** SPM, Git/GitKraken, SwiftLint, XCTest, Instruments, Xcode Debugger.

TECHNICAL BREADTH & CONSULTANCY

Prior Technical Experience 1997 – 2006

- **Systems Engineering:** Held technical roles at BBC, PwC, and MTV, focusing on 3rd-line support and application rollout using Windows Batch and Unix Shell scripting.
- **Full-Stack Development:** Freelance LAMP stack developer building web applications and custom payment processing services.

EDUCATION & CONTINUOUS LEARNING

Technical Training:

- **iOS Development Micro-Degree** – Udacity
- **iOS Development Bootcamp** – App Brewery (Angela Yu), London
- **UI/UX Professional Course** – 3-day Intensive, London
- **Advanced MongoDB & Data Structures** – Udemy
- **A-Levels (French, Physics & Maths)** – Canterbury College
- **9 GCSEs** – Kent College