JOHN DURCAN

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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.

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.

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.

TECHNICAL PROJECTS

TimerStack (Product Owner & Lead Developer)   **timestack.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 BREADTH & CONSULTANCY

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.

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 (Physics & Maths)** – Canterbury College

- **7 GCSEs** – Kent College