

Paul Ledger

Principal iOS Engineer | Mobile Architect

Spalding, Lincolnshire | [linkedin.com/in/flexicoder](https://www.linkedin.com/in/flexicoder) | flexicoder.com

PROFESSIONAL PROFILE

Principal-level iOS engineer and mobile architect specialising in native Apple development, scalable mobile architecture and the modernisation of established applications. Combines deep expertise in Swift, SwiftUI and UIKit with experience across Android, cloud platforms and full-stack development.

Has led technical initiatives involving reusable design systems, automated testing, accessibility, localisation and developer tooling across healthcare, government, education and consumer technology. Delivered solutions for Pelago, HMRC, Triller, SchoolsBuddy, Costa Coffee and Paxton Access, alongside independently publishing more than 40 iOS and 13 Android applications.

CORE EXPERTISE

Native iOS Development | Swift | SwiftUI | UIKit | Mobile Architecture | Technical Leadership | Accessibility | Automated Testing | Design Systems | Developer Tooling | Kotlin | Azure | REST APIs

PROFESSIONAL EXPERIENCE

Pelago

Senior iOS Developer | January 2022 - July 2026

Digital healthcare platform providing evidence-based programmes for addiction recovery and behavioural healthcare.

- Strengthened release confidence by modernising the iOS testing infrastructure and making the application testable with Apple's native testing frameworks.
- Established an internal UI component library that standardised controls, improved consistency and separated reusable presentation components from product features.
- Drove the cross-platform rebrand from Quit Genius to Pelago, coordinating changes across the native iOS and Android applications.
- Created internal tools that simplified the development and maintenance of new digital care programmes.
- Extended the platform to Spanish-speaking members by implementing localisation across both native applications.
- Built an automated WCAG audit harness with Claude Code, producing actionable reports and accelerating the identification and remediation of accessibility issues.
- Partnered with product, design and Android engineers to maintain feature parity and consistent engineering standards across platforms.

Technologies: Swift, SwiftUI, UIKit, Kotlin, XCTest, Claude Code, Accessibility, Localisation, Git, Jira, Agile

Triller

Senior iOS Developer | August 2020 - January 2022

Worked on a major short-form video platform serving an international user base.

- Improved video-streaming performance using HTTP Live Streaming and rebuilt the Discovery experience using Swift.
- Implemented Quick Comments using Texture and introduced modular UI development based on Atomic Design principles.
- Built prototypes demonstrating Picture in Picture, MultiCam recording and Live Photo import.
- Mentored junior developers through code reviews, architecture guidance and testing practices.

Technologies: Swift, SwiftUI, Objective-C, UIKit, Texture, Bitrise, PromiseKit, GitHub, MVVM-C

Freelance Mobile and Full-Stack Developer

Independent Consultant | September 2009 - August 2020

Provided mobile, cloud and full-stack services directly and through contract engagements, including the HMRC and SchoolsBuddy positions listed on page two.

- Published more than 40 iOS applications and 13 Android applications.
- Delivered end-to-end solutions from initial architecture through to App Store release for Costa Coffee, Sky and other enterprise customers.
- Worked independently and within distributed Agile teams across native mobile, cloud and web technologies.

Technologies: Swift, Objective-C, Kotlin, Java, C#, ASP.NET, Azure, SQL Server, REST, SOAP

CONTRACT ENGAGEMENTS

HM Revenue & Customs

Senior Mobile Developer - Contract | January 2019 - February 2020

Engagement undertaken through the freelance business, delivering high-profile government services across iOS, Android and web platforms.

- Developed an iOS application supporting Brexit-related transportation processes.
- Implemented barcode capture and backend integration, and added P800 tax-refund functionality to the HMRC mobile application.
- Delivered Android Dark Mode support within an Agile, test-driven environment.

Technologies: Swift, Kotlin, Scala, MongoDB, GitHub, Bitrise, Jira, Agile, TDD

SchoolsBuddy

Lead Mobile Architect / Senior Full-Stack Developer - Contract | July 2012 - January 2019

Engagement undertaken through the freelance business as one of the original developers and architects behind the SchoolsBuddy platform.

- Served as sole architect and lead developer for approximately four and a half years.
- Designed the Azure cloud infrastructure and built the native iOS and Android applications alongside the ASP.NET web platform.
- Architected the platform to support time-critical extracurricular activity selection, bookings and administration for international schools during high-demand enrolment windows.
- Integrated the platform with iSAMS and ManageBac.

Technologies: Azure, C#, SQL Server, ASP.NET, Swift, Objective-C, Android, REST APIs, AngularJS

ADDITIONAL IOS EXPERIENCE

Paxton Access

iOS Developer | February 2010 - November 2010

Developed five enterprise iOS applications for the Net2Anywhere platform, covering remote door control, time and attendance, reporting, user administration and emergency roll calls. Also created an iPad demonstration application for the IFSEC exhibition.

EARLIER TECHNICAL CAREER

Software Developer and Contract Engineer | August 1983 - September 2009

Progressed from mainframe development into Windows, web and enterprise .NET engineering across permanent and contract roles.

Delivered systems using COBOL, CICS, DB2, Visual Basic, C#, ASP.NET and SQL Server for organisations including American Express and Lombard North Central.

TECHNICAL SKILLS

Programming languages: Swift, Objective-C, Kotlin, Java, C#, SQL, JavaScript

Apple platforms and frameworks: iOS, SwiftUI, UIKit, XCTest, Core Data, AVFoundation, Accessibility APIs, Localisation

Android: Kotlin, Java, native Android development

Architecture and engineering: MVVM, MVVM-C, modular architecture, design systems, dependency injection, automated testing, REST API design, performance optimisation

Cloud, backend and data: Azure, ASP.NET, SQL Server, SQLite, MongoDB, REST, JSON, SOAP

AI and developer tooling: Claude Code, Git, GitHub, Bitrise, Jira, Xcode, Android Studio, Visual Studio, Figma

EDUCATION

Croydon College - BEC/TEC National Certificate in Computer Studies, Distinction

Selhurst High School for Boys - O Levels in Mathematics, Physics, Chemistry and Technical Drawing