Luke James Stringer

luke@stringer.dev · 07454 112212
30 Rivelin Park Crescent, Sheffield , S65GF

PROFILE

An adept engineering manager with 9 years commercial iOS development experience. A confident, organised, pragmatic and honest leader, I have a proven record of delivering multi-platform projects. I enjoy collaborating to turn requirements in quality solutions, and I am passionate about getting hands on to architect, design, code, test and deploy mobile and web applications.

TECHNICAL SKILLS

- Objective-C, Ruby, Unix
- Core Data, Networking, NSOperation, Core Location, UIDocument, StoreKit
- iOS Signing and Provisioning
- Object & Protocol Oriented Development, Test Driven Development
- Swift Package Manager, CocoaPods, Git Submodules
- Xcode, Fork, SourceTree, Postman, Charles, Visual Studio Code, Pixelmator
- App Store Connect, TestFlight, Apple Developer Portal, Apple Business Manager
- GitLab, GitHub, GitHub Pages, Heroku, Azure Functions, Jekyll
- Visual Studio App Center, Bugfender, RevenueCat

CAREER SUMMARY

Head of Development, 3Squared Ltd — 2018–Present

- Lead a team of 25 developers (Native iOS, Native Android, ASP.NET, Vue.js) to build the RailSmart software suite. Implemented a cohesive and inclusive team vision and management approach.
- Recruited at multiple levels (Graduates to Senior Engineers), growing the team by 50% during the first year of my leadership. Implemented a graduate scheme to train and mentor junior developers.
- Designed and embedded a technical strategy to move to SaaS, focusing on simpler, consistent tech stacks and approaches, across different platforms and 20+ codebases. Standardised reusable packages with SPM, NPM, NuGet, using them across the product suite in both new and old projects.
- Planned and managed technology transitions including CocoaPods to Swift Package Manager, ASP.NET Web Forms to Vue.js, Octopus Deploy to Azure DevOps, and on-prem GitLab to GitHub.
- Mentored developers new to leadership, allowing me to manage the larger team through them.
- Managed team resourcing, identifying developers with the right technical and soft skills for projects.
- Defined the web API architecture to integrate with systems at Network Rail. Worked with internal and external technical teams to implement a phased approach to integration with our applications, with longer terms goals to offer the solution as a product to the wider market.
- Planned the transition to Federated Identity for our SaaS products. Identified the complexities across our platforms, aligning them with infrastructure, testing, UX, and cost considerations.
- Regularly a part of sales activity, working on bid and tender documentation to win big contracts with Network Rail and HS2. Defined technical approach to delivering software in multi-year iterations.
- Managed a quick transition into remote work in March 2020. Adapted my communication approach and the team structure to better suit remote work, supporting individual team member personally.

Head of Mobile, 3Squared Ltd — 2015-2018

- Lead a team of 6 iOS and Android developers, supporting and guiding both their technical and professional development through 1-2-1s, goal setting and appraisals.

- Planned and managed the transition from Objective-C to Swift (starting at version 2.2). Defined our best practise for migration and interoperability. All new projects used 100% Swift after 2017, and older, larger Objective-C codebases were gradually re-written; now 75% in Swift by 2021.
- Standardised iOS components into small, reusable packages using CocoaPods. Used them across all new and old projects, and open sourced as The Peak Framework on GitHub.
- Technical leadership and iOS development on projects with tight timelines and a challenging clients. I organised the team to work concurrently. I gave updates to clients and worked with Project Management to update company directors on our progress.
- Worked with Operational Management Team to implement new policies such as Agile rituals, standardised appraisal approaches, and inclusive recruitment principles.
- Responsible for managing the company's App Store Connect and Enterprise Developer Accounts, as well as supporting the setup and admin of customers' Apple accounts and MDMs.
- Reduced errors and saved time by automating builds. Used Ruby and xcodebuild to standardise app versioning and signing. Released for QA and production (App Store) using Team City on a Git push.

Senior iOS Developer, 3Squared Ltd — 2014-2015
- Mentored mobile developers, designed induction projects and trained them in our best practices.
- Trained the team in XCTest and TDD, and best practise for Git and branching with GitFlow.
- Built multiple native iOS app in the RailSmart Suite. Specialised in data synchronisation performance, identifying best approaches for Core Data, threading, web API calls and JSON serialisation.
- Completed a research project for Crossrail. Used iBeacons, Core Location, and trilateration to determine user position. Ran trials at the Bond Street site and wrote a recommendations report.

PERSONAL PROJECTS

Pivot for iOS — Launched May 2021 — getpivot.app
- Build, configure and visualise pivot tables just like Microsoft Excel.
- Used TDD to build a Swift algorithm to parse a CSV file into a pivot table. Open sourced as PeakPivot. Integrated into the app using the Swift Package Manager.
- Used UIDocumentBrowser to load CSV files, and save custom ".pivot" files. Integrates with RevenueCat for receipt validation of in-app-purchases.

Public Speaking — stringer.dev/talks
- Topics: Git Best Practise, Open sourcing Swift Packages, Transitioning to Swift, Swift Errors
- Spoke at: DDDNorth, UIKonf 2020 (remote breakout room), NSManchester, SwiftYork, SheffieldSwift, University of Sheffield, Sheffield Hallam University.
- Attended: Swift Summit, Úll, UIKonf, ADDC, iOSDevUK, iOSCon, DDD North

Transported for iPhone — Launched 2014 — http://lukestringer90.github.io/transported_website
- Live public transport departure times in South and West Yorkshire. Local database of transport nodes (NaPTAN) from gov.uk, seeded into Core Data
- Scraped departure board HTML data. Open sourced the parser as LJSYourNextBus.

EDUCATION

University of Sheffield 2008-2012 - First Class Masters Degree (with honours) in Software Engineering

OTHER INTERESTS

I enjoy playing acoustic and electric guitar, cooking, and spending time with my partner and 3 year old son. I blog at stringer.dev, and I'm active on Twitter and GitHub as @lukestringer90