

# Devin De Silva

+44 79 515 926 70 | devindemalaka@gmail.com | [linkedin.com/in/devin-de-silva](https://linkedin.com/in/devin-de-silva) | [github.com/devinMalaka](https://github.com/devinMalaka)  
London, United Kingdom, W3 7DF

## PROFILE SUMMARY

Mobile Application Developer with 3 years of professional experience building intuitive, high-performance cross-platform apps using Flutter and Firebase. Skilled in architecting clean, scalable solutions with Provider and MVVM patterns, integrating RESTful APIs, and managing full app lifecycles from concept to deployment. Passionate about crafting seamless user experiences and bringing creative product ideas to life.

## CORE SKILLS

- Flutter / Dart
- Clean Architecture
- Swift
- Payment Integration (Stripe, Google Pay / Apple Pay)
- Firebase (Auth, Firestore, Storage, Crashlytics)
- Provider / Bloc State Management
- Git & CI/CD
- Cloud Messaging
- REST APIs
- Local DB – SQLite, Hive
- App Store / Play Store Deployment

## PROFESSIONAL EXPERIENCE

### Proitzen | Kinderm8 Family Lounge

#### Software Engineer - Mobile

April 2021 - September 2023

May 2022 - September 2023

- Developed and maintained cross-platform Flutter apps for childcare management.
- Implemented Clean Architecture and Provider state management for scalable, testable code.
- Integrated Amazon S3 for secure media storage (images, documents).
- Used Firebase Crashlytics for real-time error tracking and app stability monitoring.
- Built and consumed RESTful APIs, ensuring efficient data exchange and error handling.
- Implemented offline persistence and responsive UI for multi-device support.
- Contributed to CI/CD pipelines and code reviews to enhance delivery efficiency.

**Tech Stack:** Flutter, Dart, REST API, Amazon S3, Firebase Crashlytics, GitHub Actions, Figma

#### Associate Software Engineer - Mobile

April 2021 - May 2022

- Conducted bug fixing, regression testing, and refactoring, resolving 120+ issues across modules and improving overall stability by 25 %.
- Assisted in UI improvements, layout adjustments, and performance optimizations for smoother animations and screen transitions.
- Supported API integration tasks and contributed to the testing of new app features.
- Participated in daily stand-ups and code reviews, gaining exposure to agile workflows.
- Documented feature updates and provided QA support during beta testing phases.

**Tech Stack:** Flutter, Dart, REST API, Firebase Crashlytics, Git, Figma

### Kingslake Engineering Systems

#### Trainee Software Engineer - Intern

July 2020 - Jan 2022

- Worked on StoreSmart, an ERP-based warehouse management system.
- Focused on bug fixing and module enhancements using jQuery, Progress Rollbase, and OpenEdge 4GL.
- Improved form load times by 20 % through optimised database queries and front-end adjustments.
- Collaborated with senior developers to test new ERP modules and resolve UI inconsistencies.

- Created and updated technical documentation for bug reports and release notes.
- Gained foundational experience in enterprise-level software workflows and version control.

**Tech Stack:** jQuery, Progress Rollbase, OpenEdge 4GL

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## PROJECT EXPERIENCE

### LOKEY – Password Vault (iOS App)

- Designed and developed a fully on-device password manager using SwiftUI, Keychain Services, and biometric authentication (Face ID / Touch ID).
- Implemented secure credential storage, category-based organization, and a clean, minimalistic iOS-native interface.
- Integrated custom haptics, secure clipboard interactions, and UX details aligned with Apple design guidelines.
- Built modular architecture for scalability, including category management, editing flows, and persistent storage.
- Prepared and published the app on the Apple App Store, setting up privacy policy hosting, metadata, screenshots, and export compliance.

**App Store:** <https://apps.apple.com/us/app/lokey-password-vault/id6755841213>

**Github Repository:** <https://github.com/devinMalaka/lokey-ios>

### Vividly – Social Media App (Flutter + Firebase + Bloc)

- Developed a social app where users can create posts, like, comment, and follow others.
- Used Firebase Firestore for real-time updates and Firebase Storage for multimedia uploads.
- Implemented Bloc state management for reactive UI and global state consistency.
- Integrated image caching and pagination for infinite scrolling feeds.

**Github Repository:** [github.com/devindesilva/vividly](https://github.com/devindesilva/vividly)

### smart\_layout – Open-Source Flutter Package

- Built a responsive layout engine for Flutter with automatic list ↔ grid switching for collection UIs.
- Implemented SmartLayoutInfo for device/type/size classification using shortest-side heuristics.
- Created high-level widgets (SmartCollectionLayout, SmartLayoutBuilder) to simplify adaptive UI development.
- Added full test coverage, CI workflows, linting, and example app to ensure production-quality standards.
- Published and maintain the package on pub.dev with ongoing enhancements and community support.

**pub.dev URL:** [https://pub.dev/packages/smart\\_layout](https://pub.dev/packages/smart_layout)

**Github Repository:** [https://github.com/devinMalaka/smart\\_layout](https://github.com/devinMalaka/smart_layout)

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## EDUCATION & CERTIFICATIONS

### BEng (Hons) Software Engineering

2020

Majors: Mobile Application Development (Android & iOS)

University of Westminster - UK

- Graduated with Upper Second-Class Honours.

### MSc Data Science | 2024

2024

York St. John University - UK

- Graduated with a Merit.

### Meta iOS Developer Professional Certificate

In Progress

Coursera