

Dewmina Udayashan

Senior Software Engineer, Flutter & Mobile Architecture

SUMMARY

Senior software engineer specialising in Flutter, with six years shipping production mobile apps and the last three leading mobile delivery for teams of three to four. I own the lane end to end: Clean Architecture and Riverpod module boundaries, Melos monorepos, Fastlane and Codemagic pipelines, Shorebird over-the-air patches, crash and performance triage, the in-app subscription and entitlement layer, and the store submission at the end of it. I work with AI agents daily, and I write the instructions and limits that make their output safe to merge.

Open to senior, lead and architect roles on Flutter and mobile teams, full-time and remote.

15+ apps shipped to production · 1M+ installs served

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Jun 2024 - Present

IXD Labs, Piliyandala, Sri Lanka

Lead mobile delivery across the company's health and fitness portfolio: architecture, code review, CI/CD and store release ownership.

- Directed end-to-end delivery of 5 production mobile apps across health, fitness and enterprise domains, scaling to support 10,000+ active users.
- Led and mentored a mobile team of 4 engineers: set the architecture, enforced the bar through PR review, and wrote the standards the team ships against.
- Cut deployment cycle time ~40% by rebuilding the CI/CD pipelines on Codemagic and Fastlane, and introducing Shorebird for zero-downtime over-the-air Dart patches.
- Diagnosed and fixed severe UI jank, memory leaks and rendering bottlenecks with Flutter/React Native DevTools and Xcode Instruments, reaching a consistent 60/120fps and ~15% lower battery draw on legacy devices.
- Owned production quality after release: Sentry-backed crash triage, incident response and written root-cause analyses that turn into tests. The same scrutiny caught a platform-policy breach in a planned payment gateway before a line was written; the in-app subscription stack and RevenueCat I proposed instead are now the company standard.
- Built the mobile platform the team works in: a Melos monorepo on Dart pub workspaces, shared packages with versioned contracts, one analysis and test baseline, and release tooling that makes every app ship the same way.

Award: IXD Vanguard 2025 · Company award for dedication, excellence and significant contribution.

Selected products: Fitconnect fitconnect.lk; Fitsmiles fitsmiles.com

Flutter · Dart · React Native · Django · Melos · Firebase · Codemagic · Fastlane · RevenueCat · Sentry

Software Engineer · Lead Mobile Developer

Apr 2023 - Jan 2025

NinjaPipe Pty Ltd, Melbourne, Australia (Remote)

Owned the cross-platform mobile CRM for an AI sales-automation platform, delivered remotely on Australian business hours.

- Took an AI-driven B2B mobile CRM from concept to production in Flutter, accelerating lead capture and sales workflows for 1,500+ active users.
- Built the app's interface from Figma and wired the platform's LLM-backed features into the mobile client, so the automation the web product offered was usable from a phone.
- Coordinated technical milestones and mentored a cross-functional team of 3, delivering every major feature release on time.
- Worked directly with stakeholders, designers and backend engineers to translate business requirements into mobile architecture that survived the roadmap.

Product: NinjaPipe ninjapipe.com

Flutter · Dart · REST APIs · Figma · Firebase

Associate Software Engineer · Full-Stack

May 2022 - Nov 2022

myPOS Software Solutions, Nugegoda, Sri Lanka

Full-stack work on a mobile point-of-sale product running on handheld POS terminals in live retail: the Flutter client on the device and the ASP.NET and MySQL services behind it.

Flutter · Dart · .NET · MySQL · REST APIs

Associate Software Engineer · Full-Stack

2020 - Mar 2021

Youth Services Pvt Ltd, Maharagama, Sri Lanka

First professional role, as sole developer on a government-facing mobile application, concept through production.

Flutter · REST APIs · Backend integration

VOLUNTEER EXPERIENCE

Software Engineering Intern (volunteer)

2019 - 2020

Vocational Training Authority of Sri Lanka, Sri Lanka

In-house software development team at the national vocational training authority, working across mobile and web on systems used by its training network.

- Rebuilt the authority's existing native Android app in Flutter from scratch, then shipped it: course browsing, branch discovery and student enrolment for the national training network.

Android · Java · Flutter · PHP

LIVE PRODUCTS

Founded and self-published under my own developer accounts, each with its own authentication, roles, in-app subscriptions and plan-based entitlements.

Acreea: Offline-first survey-grade land measurement, synced across a team, with role-based workspaces and plan-gated features.

[App Store](#) · [Google Play](#)

FitScanned: An AI nutrition tracker, its API, its admin console and the server they all run on.

[App Store](#) · [Google Play](#) · [Visit site](#)

Banny: A men's health recovery app whose hardest engineering sits in three native iOS extensions.

[App Store](#) · [Visit site](#)

Keyboarda AI: An AI writing keyboard for every iOS app, in native Swift on Firebase.

[App Store](#)

CoordKit: A field-grade coordinate instrument built around a map you aim rather than poke.

[App Store](#)

Latitude Longitude Finder: A coordinate readout grown into a 300k+ install utility with recurring revenue.

[App Store](#) · [Google Play](#)

Plus open-source Flutter packages published and maintained on pub.dev/publishers/dewmina.dev/packages.

TECHNICAL SKILLS

Mobile	Flutter, Dart, React Native, Riverpod, BLoC, Clean Architecture, go_router, Melos, Pub workspaces, Monorepos, Swift, SwiftUI, Kotlin, Screen Time / Family Controls
Backend & data	NestJS, Node.js, TypeScript, PostgreSQL, Prisma, Supabase, MySQL, SQLite, REST APIs, WebSockets, Django, .NET
Cloud & infrastructure	AWS, Google Cloud, Hetzner, Firebase, Docker, NGINX, Cloudflare, Vercel
Release & DevOps	Codemagic, Fastlane, GitHub Actions, Shorebird, Sentry, Crashlytics, FVM, Code signing, App Store Connect, Google Play Console, Git
Product & growth	RevenueCat, PostHog, Firebase Analytics, Remote Config, A/B testing, Session replay, Feature flags, ASO
Web	Next.js, React, Tailwind CSS, TypeScript
Working with AI agents	Claude Code, Agent instruction files, Invariant tests, Google Gemini, Structured model output, Git worktrees

EDUCATION

BEng (Hons) Software Engineering · London Metropolitan University · First Class Honours

Diploma in Information & Communication Technology · Vocational Training Authority, Sri Lanka