

Amissan AMOUSSOU-G.

Senior iOS Engineer

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PROFILE

Currently an iOS engineer at **Instant System**, where **mobile ticketing** is my area of expertise.

I have been lucky enough to work in companies of every size since the start of my career: a startup of under ten people, a mid-sized company with Instant System, and a CAC 40 group with Orange, through Inetum. I am versatile and I settle quickly into a new environment and a new way of working. What does not change, whatever the context, is the rigour and the commitment I bring to my team and to the life of the company.

For a full year I carried Instant System's iOS mobile ticketing on my own. I designed features there that secure our m-ticket applications today.

~5 M

users of the apps I have contributed to

6 yrs

of iOS engineering, since October 2020

> 99.9 %

crash-free sessions on KCalories

EXPERIENCE

Instant System

Sophia Antipolis · May 2023 – today

iOS Engineer

Technical lead, ticketing

Scrum Master · since February 2025

AI ambassador

Mentor

- **Sole mobile developer** on the ticketing scope for a year, across the whole portfolio: stabilising production and building features.
- Built **transport card top-up almost single-handedly** on the TCL app, where I am now one of the technical leads.
- Two **internal libraries** designed and shipped: on-screen anti-fraud protection for tickets, and validation QR code generation.
- **Created the module for a new ticketing vendor**, and **lifted vendor-independent implementations up to the product** — argued for, then obtained.
- **Complete rebuild of session handling** — tokens, renewal, retry, sign-out — on actors and async/await.
- **Onboarded every mobile developer** who joined after me, iOS and Android; official mentor to an iOS developer.
- **Architecture workshops with the CTO** and the architects; client demos; conducting hiring interviews.
- **Scrum Master** of my team without stepping away from development — and still one of its main technical contributors.

STACK · Swift · SwiftUI · UIKit · Swift Concurrency, actors, async/await · Combine · Clean Architecture, 3 then 4 layers · dependency injection · SPM, XCFrameworks, CocoaPods · XcodeGen and YAML specs · Jenkins · fastlane · match · Bitbucket · SAFe

Mail Orange — Orange, via Inetum

Mougins · Jan 2022 – Apr 2023

iOS Engineer

- Features and fixes on a mail app with **around one million users**, in a team of three iOS developers.
- Topics owned **end to end** from the first weeks: drafts, attachment handling.
- Maintained **compatibility across iOS versions** and the **iPad layout**, on a codebase heavily used on tablets.
- Worked on a heterogeneous codebase — VIPER in the composer, MVP elsewhere.
- Took part in refinements and technical decisions; worked with **third-party teams** on integrated services.

STACK · Swift · Objective-C · Programmatic UIKit, xib, storyboards, Auto Layout · MVP · VIPER · Delegate, Observer · UIDocumentPicker · app extensions · CocoaPods · SAFe

STILT

Nice · Oct 2020 – Oct 2021

iOS Engineer — apprenticeship

- **Full migration from Objective-C to Swift** of a premium car-sharing app already live on the App Store — the codebase went from **30% to over 92% Swift in one year**.
- Migration carried out **alongside a colleague's feature releases** on the same codebase, without interrupting production. The strategy was mine.
- Rebuilt the networking layer, profiling and optimisation.

STACK · Objective-C → Swift · UIKit · MVC · storyboards, xib · CocoaPods · incremental migration on a live app

KCalories, the nutrition companion

App Store

DECISIONS & DELIVERY

- **Build all four stacks myself** rather than assembling services: iOS app, backend, admin back-office, marketing page. Carrying the product end to end was the point, not the means.
- **Strict architecture and SPM modules from day one**, when nothing yet demanded it — boundaries get drawn before there is anything to put behind them, or they never get drawn at all.
- **Feature flags and continuous integration from week one**, to ship without blocking and without manual ritual.

STACK · SwiftUI · SwiftData · Clean Architecture · SPM modules · Feature flags · Backend · Back-office · CI/CD · FR · EN

RESULTS

- **Published on the App Store five months** after the first line of code.
- **Over 99.9% crash-free sessions**, taken from App Store Connect — above what you expect of a mobile app that runs well.
- **Version 2.0 twenty days** after 1.0: the delivery pipeline held.
- Available in **French and English**, with two complete themes.

KEY SKILLS

Concurrency and shared state

Session tokens, their renewal and error paths are where concurrent access produces the bugs you can never reproduce. Actors, `async/await`, isolation: what the compiler guarantees on my behalf beats what I promise to check.

Boundaries and modularisation

Clean Architecture in separate modules rather than folders, and modules that depend on a contract, never on an implementation. A boundary the compiler does not refuse is not a boundary — it is a convention that eventually gets forgotten.

From code to shipped product

Project generation from a spec rather than a binary file, signing handled by fastlane and match, pipelines per product and per module, feature flags to decouple shipping from releasing. Whatever is not automated ends up not being done.

SKILLS

LANGUAGES

- Swift
- Objective-C

INTERFACE

- SwiftUI
- UIKit
- Auto Layout
- Dynamic Type
- iPad
- App extensions

CONCURRENCY

- async/await
- Actors
- Swift Concurrency
- Combine
- GCD

ARCHITECTURE

- Clean Architecture
- MVVM
- MVP
- VIPER
- Dependency injection
- SPM modules
- Feature flags

TOOLING & CI/CD

- Xcode
- XcodeGen
- SPM
- CocoaPods
- XCFrameworks
- fastlane
- match
- Jenkins
- Git
- Bitbucket

COLLABORATION & DELIVERY TOOLING

- Jira — administration, JQL, kanban boards
- Confluence
- Google Workspace — shared calendars, rooms, meetings

PRACTICE

- SAFe
- Scrum
- Code review
- Unit testing
- Refinement
- Mentoring

EDUCATION

2020 – 2021

Master's degree in Software Engineering

Université Côte d'Azur — Nice

2019 – 2021

Engineering degree in Computer Science

Polytech Nice Sophia Antipolis — Ambient & Mobile Intelligence track

2016 – 2019

Bachelor of Engineering in Computer Science

Institut Africain d'Informatique — Lomé

CERTIFICATIONS

November 2025

Professional Scrum Master I

Scrum.org — [Verify](#)

2025

Certified SAFe 6 Practitioner

Scaled Agile — [Verify](#)

APPS IN PRODUCTION

33 — Ales'Y · at bus · AuxR_M · Bibus · Choletbus · Citibus · Clermoov · ENVIA · Envibus · impulsyon · Irigo · Izilo · JV Malin · liO · Mobilités TCM & TCAT · My Astuce · Métropole Mobilité · Ondea · Oûra · Palm Bus · QUB · RLV Mobilités · Ruban · Réseau Mistral · Réseau TAC · Setram · Sibra · TAC Mobilités · TCL · Tere Tahiti · TUB · TUL · Twisto

Apps published by transport authorities and their operators. My contribution covers the mobile ticketing layer — purchase, usage, validation and inspection — and its integration into each app.