ILIYAN MLADENOV

Senior iOS Engineer • Team Lead

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EXPERIENCE

Senior iOS Developer / Team Lead

Intellicene

06/2024 - Present Sofia, Bulgaria

- Built an agentic AI development system on Claude Code: 4 subagents, hook-injected context rules and an AI-review commit gate
- Ran a 6-agent codebase audit, hand-verified against backend and DB; found 12 production defects, 1 critical
- Agent-driven Swift migration guarded by golden and snapshot tests: Objective-C files down 96% (136→5), singletons down 83%
- Agent-driven verification on a physical iPhone via an XCUITest driver with log assertions (SOS, PTT, push)
- Split the app into 7 Swift packages and 20+ feature modules; SwiftUI, SwiftData, Swift Concurrency, KMP features
- Owned delivery end to end: system design, code review, CI/CD (GitHub Actions, fastlane), TestFlight/App Store
- Led the iOS team: mentoring, iOS hiring, Android panel evaluator; rolled out Claude Code and Copilot across the team
- Speaker at DEV.BG **webinar**

Senior iOS Developer / Team Lead

DSK Bank

07/2023 - 06/2024 Sofia, Bulgaria

- Led secure banking features incl. Apple Pay and Apple Wallet provisioning (Visa, Mastercard), lifting adoption by 20%
- Bridged developers and solution architects to choose the technical approach for each feature
- Ran code reviews against team guidelines and mentored junior iOS developers
- Swift, UIKit, Combine, async/await in an Agile/Scrum team

Senior iOS Developer (Contractor)

SofString

07/2023 - 09/2024 Sofia, Bulgaria

- Cedar Fair theme-park apps (12 parks, millions of annual visitors): live ride wait times, park maps, itineraries
- Designed a white-label architecture serving 12 app targets from one codebase
- Led the iOS team; enforced VIP architecture and coding standards with the solution architects
- Integrated Firebase Analytics, Attractions.io and Airship SDKs; wrote unit and UI tests

iOS Developer → Senior iOS Developer

SoftServe

11/2021 - 07/2023 Sofia, Bulgaria

- Built a banking SDK (transactions, cards, accounts) and the CoinCaddie golf app in Swift, UIKit/SwiftUI, Combine
- Applied Clean Architecture with MVVM; led best-practice initiatives in code quality and testing
- Created and integrated a custom CoreML model in iOS; presented "MLModel creation and injection in iOS"
- Helped redesign the iOS developer hiring and evaluation process

Junior iOS Developer

MobiSystems

07/2020 - 10/2021 Sofia, Bulgaria

- Developed Office Suite (now MobiOffice), PDF Extra (now MobiPDF) and MobiDrive for iOS in Swift/Objective-C
- Wrote unit and UI tests for all three apps

SUMMARY

Senior iOS engineer and team lead with 6+ years shipping production apps in Swift and SwiftUI, from banking to safety-critical emergency response. Built and run an agentic Claude Code workflow (subagents, hooks, context engineering, AI review gates, on-device verification) that modernised a large iOS codebase, with behaviour parity held by tests. Deep-learning background: CNN on 80,000+ MRI scans, deployed on-device with CoreML. Drives AI adoption across the team.

LANGUAGES

Bulgarian
Native

English
Fluent (C2)

Chinese
Beginner

SKILLS

Mobile

Swift, SwiftUI, UIKit, Objective-C, Combine, Swift Concurrency, SwiftData, Core Data, SPM, Kotlin/KMP

AI / ML

Claude Code (subagents, hooks, skills, MCP), Anthropic API, multi-agent workflows, context engineering, AI code review, Python, Keras, CNNs, CoreML

Delivery & tools

XCTest, Swift Testing, XCUITest, GitHub Actions, fastlane, Jenkins, Azure DevOps, Git, Jira, Figma, Agile/Scrum

SHIPPED APPS

NowForce

View on the App Store

- Emergency-response platform: SOS, Push-to-Talk, live tracking and dispatch. Swift/SwiftUI, modernised with an agentic AI workflow

DSK Mobile for iOS

View on the App Store

- DSK Bank retail banking app: Apple Pay and Apple Wallet provisioning. Swift, UIKit, Combine

AI & ML PROJECTS

Deep Learning & On-device ML

- Dissertation: designed a custom CNN in Keras/TensorFlow to detect early Alzheimer's disease from MRI
- Built a multi-hour preprocessing and augmentation pipeline for 80,000+ anonymised MRI images, then trained the model
- Converted the trained model to CoreML for on-device inference on iOS
- SoftServe: created a custom MLModel and integrated it in iOS; talk "MLModel creation and injection in iOS" **(link to video)**

EDUCATION

BSc Computer Science (First Class Honours)

Coventry University

10/2017 - 06/2020 Coventry, UK

SHIPPED APPS (CONT.)

Cedar Fair park apps

View on the App Store

- SofString · 12 theme-park apps from one white-label codebase. Swift

CoinCaddie

View on the App Store

- SoftServe · GPS golf course mapping, score tracking and performance analysis. Swift

Office Suite for iOS (now MobiOffice)

View on the App Store

- MobiSystems · Word, Excel and PDF document suite. Swift/Objective-C

PDF Extra for iOS (now MobiPDF)

View on the App Store

- MobiSystems · PDF editor and reader. Swift/Objective-C

MobiDrive for iOS

View on the App Store

- MobiSystems · Cloud storage and sync. Swift/Objective-C