

Maykon Meneghel

Senior Mobile Engineer — native iOS, macOS & visionOS, Flutter and the APIs behind them

Curitiba, Paraná, Brazil · maykonmeneghel@icloud.com · linkedin.com/in/maykonmeneghel · github.com/maykonmeneghel · Tradx on the App Store · maykon.meneghel.me

SUMMARY

Senior mobile engineer with seven years shipping native Apple platforms in Swift and SwiftUI — iOS, macOS and visionOS — and cross-platform in Flutter: Swift Concurrency, MVVM and Clean Architecture, XCTest and XCUITest, Dynamic Type, VoiceOver and localisation, fastlane and TestFlight. Two years at the Apple Developer Academy and four on a production Apple engagement, promoted from trainee to senior on the same product. I build the APIs the apps talk to as well: Node.js, NestJS and Java, MongoDB and PostgreSQL, Docker and Kubernetes on AWS. Tradx is my own product and my sandbox — a desktop trading client in Flutter, on the Mac App Store and the Microsoft Store, with around fifteen thousand downloads between them, built with one other engineer on pull requests and reviews. M.Sc. in Bioengineering, postgraduate specialization in applied AI, three peer-reviewed papers, and current work in Gaussian Splatting.

SELECTED HIGHLIGHTS

- **Trainee to Senior in four years** on the same production Apple engagement (2022–2026), each step taken by owning the work nobody wanted: the release process, the flaky suite, the screen rewritten twice.
- **Tradx** — my own product and sandbox. A desktop trading client in Flutter, on the Mac App Store and the Microsoft Store, ~15,000 downloads between them, from the strategy graph to the execution engine. Built with one other engineer, on pull requests, with reviews neither of us skips.
- **Rebuilt the OAuth deep-link flow** for Tradx: Universal Links instead of a custom scheme, one-time codes with PKCE, and single-use exchange.
- **Three peer-reviewed papers** among six academic works, none of them about mobile — where I learned to state a method precisely enough for somebody else to attack it, and to change the claim when they did.

EXPERIENCE

Senior Developer · Apple Project Eldorado · Apple	Jun 2026 — Present
Technology Advisor · Renault Project GHFL	Jun 2025 — Present
Full Stack Developer · Apple Project Eldorado · Apple	Apr 2024 — May 2026
Tech Lead · Apple Internship Eldorado · Apple	Feb 2023 — Apr 2023
Junior Developer · Apple Project Eldorado · Apple	Oct 2022 — Mar 2024
Trainee · Apple Residency Eldorado · Apple	Apr 2022 — Sep 2022
Software Developer, freelance Self-employed	Jan 2018 — Mar 2022

VENTURES

COO & Co-founder Tradx	Jul 2022 — Present
Administrative Advisor — the family holding RJ Meneghel Holding	Nov 2021 — Dec 2023

RESEARCH

Software Engineer — applied research, AI and embedded health Fundação Araucária	Apr 2017 — Mar 2019
Trainee, Laboratory of Automation and Systems PUC-PR · LAS	Oct 2016 — Dec 2016

EDUCATION

Specialization, Applied Artificial Intelligence

Apr 2019 — Apr 2021

PUC-PR

Postgraduate specialization, iOS Development

Feb 2019 — Dec 2020

Apple Developer Academy

M.Sc. Bioengineering

Apr 2017 — Apr 2019

PUC-PR

B.Eng. Control & Automation Engineering

Jan 2012 — Dec 2016

PUC-PR

TECHNICAL SKILLS

iOS · Swift: Swift, SwiftUI, UIKit, visionOS, macOS, Swift Concurrency, async/await, actors, Combine, MVVM, Coordinators, Clean Architecture, Dependency injection, SwiftData, Core Data, URLSession, Swift Package Manager, XCTest, XCUITest, Instruments, Xcode, App Store Connect, TestFlight, VoiceOver, Dynamic Type, Localization, Push notifications, Deep linking

Cross-platform: Flutter, Dart, Riverpod, Bloc, Provider, Kotlin, Jetpack Compose, Android, Platform channels, Offline-first, State management, Widget testing

Shipping & release: fastlane, Xcode Cloud, GitHub Actions, CI/CD, App Store review, Phased release, Firebase Crashlytics, Crash-free rate, Analytics, Feature flags, Semantic versioning

Languages: Swift, Dart, Kotlin, Java, TypeScript, JavaScript, Python, C, C++, MATLAB, SQL

Backend & APIs: Node.js, NestJS, Express, Java, REST APIs, WebSockets, Microservices, OAuth 2.0, JWT, API versioning, Distributed systems, System design, Event-driven architecture, API design

Data: MongoDB, PostgreSQL, Redis, BullMQ, Database design, Indexing and query planning, Time series, Data pipelines

Cloud & DevOps: AWS, Amazon S3, CloudFront, Route 53, AWS IoT Core, IAM, EC2, Docker, Kubernetes, Terraform, Infrastructure as Code, GitHub Actions, CI/CD, OIDC, Observability, Scalability, Linux

Web: Astro, HTML, CSS, Accessibility, Design systems, Responsive layout

AI & 3D: Machine learning, PyTorch, TensorFlow, Keras, GANs, LSTM, Deep learning, Feature selection, PCA, XGBoost, Gaussian Splatting, 3DGS, CUDA, Photogrammetry, Computer vision

Embedded & hardware: Embedded C, ESP32, PIC18F4550, ATmega, PWM, ADC, MQTT, IoT, PCB design, EAGLE, Altium, SolidWorks, CAD, 3D printing, Design for manufacturing

Ways of working: Git, Code review, Unit testing, Technical leadership, Mentoring, Product engineering, Backtesting, Paper trading

SELECTED PUBLICATIONS

Instrument for Measuring Factors and/or Natural Elements of the Soil

2016 · Control & Automation Engineering, PUC-PR

A Tool to Select FES Parameters for chronic SCI

2019 · 41st Annual International Conference of the IEEE EMBS · doi:10.1109/EMBC.2019.8857421 · pubmed.ncbi.nlm.nih.gov/31946701/

Indoors Wi-Fi Fall Detector Buckle for the Elderly

2019 · Advanced Materials Proceedings, 4(1), 40–45 · doi:10.5185/amp.2019.1450 · amp.iaamonline.org/article_16020.html

Application, in silico, of electrical stimuli in a neuro-muscular model compatible with chronic spinal cord injury

2019 · M.Sc. dissertation in Bioengineering, PUC-PR · archivum.grupomarista.org.br/pergamumweb/vinculos/000093/00009335.pdf

Mathematical modeling of the balance maintenance system using system identification techniques

2018 · V Congresso Brasileiro de Eletromiografia e Cinesiologia · X Simpósio de Engenharia Biomédica · www.even3.com.br/anais/cobecseb/78906/

Forecasting financial series with Generative Adversarial Networks

2020 · Applied AI specialization, PUC-PR

COMPANIES FOUNDED

Tradx (fintech), Agrom.IO (agritech), Dommuz (smart home), Psiu (proptech), Hubli (edtech), PreditChart (fintech)

LANGUAGES

Portuguese (native) · English (professional) · Spanish (professional)