

Salvatore Borda

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SUMMARY

Software Engineer with 3 years of experience building and shipping production apps in Swift and Flutter. Expertise in SwiftUI, UIKit, and Combine with a focus on clean architecture, performance optimization. Track record delivering high-quality mobile solutions in Agile environments across fintech, e-commerce, and consumer domains. Exploring backend and data engineering, with hands-on experience in Spring Boot, PostgreSQL, Python. Currently transitioning toward AI, building hands-on skills in deep learning, generative AI, and model deployment through self-directed study (MIT OpenCourseWare) alongside data engineering experience (PySpark, Databricks, GCP): <https://github.com/salvo27/ai-engineering-labs>

TECHNICAL SKILLS

Languages: Swift, Java, Python, SQL, JavaScript, TypeScript, Dart

Frameworks: UIKit, SwiftUI, Combine, MapKit, PySpark, PyTorch, Flutter, Angular, Spring Boot, Firebase

Architecture: MVVM, Clean Architecture, Coordinator Pattern, SOLID, Protocol-Oriented Programming, Bloc, REST API Design

Tools: Xcode, Git, Instruments, Proxyman, Fastlane, CocoaPods, Swift Package Manager, Figma, Fork, PostgreSQL, Docker, VSCode

CI/CD & Testing: GitHub Actions, Fastlane, TestFlight

EXPERIENCE

iOS Software Engineer, Deloitte - Remote, IT

April 2024 - Present

- Developed and maintained 3 iOS e-commerce apps for a major Italian fashion group with brands serving 3M, 300K, and 300K users respectively, using Swift, SwiftUI and MVVM architecture;
- Built a new iOS app from scratch for one brand, reusing shared internal pods (payments, core, utils) and implementing a custom UI plus brand-specific logic such as men/women app switching;
- Designed a TTL-based caching layer for product catalog and menu/homepage components, preventing redundant API calls within a 180-second window and reducing backend load while improving perceived UI responsiveness;
- Reduced cold start time from 12s to 4s across all 3 apps by replacing eager initialization with lazy component loading and skeleton placeholders;
- Migrated payment integrations from in-app SDKs to backend API calls for improved security, and implemented key obfuscation using Confidential Kit;
- Owned end-to-end delivery of major features including store locator (list and map views) and digital wallet (in-app credit and spending), and managed the full release pipeline using Fastlane across multiple App Store countries;
- Resolved critical production incidents including app crashes and checkout failures, minimizing user impact through fast diagnosis and patch releases;
- Serve as one of 3 designated code reviewers for the iOS team, mentoring 2 junior developers through code reviews and pair programming;

Flutter Developer, Deloitte - Remote, IT

Feb 2024 - April 2024

- Contributed to a home banking mobile app in production, working in a cross-functional team of 6 developers plus tech lead, PM, and external consultants;
- Resolved accessibility-related bugs and other production issues using Flutter with Bloc state management, closing 2-3 tickets per day in Agile sprints;

Co-Founder, NdujaTech - Remote, IT

June 2026 - Present

- Co-founded a nonprofit tech community for Southern Italy focused on AI, data engineering, and cybersecurity, connecting local talent with job opportunities and building a knowledge-sharing hub;
- Create technical Instagram carousels that simplify AI (deep learning), data engineering, and cybersecurity concepts for a broad audience;
- Write in-depth blog articles on AI/ML topics, including LLM and mobile security, deep learning fundamentals (CNNs), and AI industry trends, to support the community's technical outreach;
- <https://ndujatech.it>

PROJECTS

Irish Folk Music Generator | LSTM, PyTorch

- Built a character-level LSTM in PyTorch to generate Irish folk music (ABC notation), with training pipeline, early stopping, checkpointing and Comet ML experiment tracking;
- Converted generated sequences into playable audio waveforms.

Violance | iOS and Android App: Flutter, Firebase, Google Maps API, Founder and solo Developer

- Built and shipped an anti-violence support app on iOS and Android using Flutter, integrating direct calls to the Italian 1522 helpline and a network of nearby support centers;
- Designed a real-time chat system between victims and operators using Firebase Firestore with subcollections, server-side timestamps, and atomic batch deletions for conversation lifecycle management;
- Integrated Google Maps Provider with KML/CSV parsing to visualize police stations and support centers, including custom markers and Google Maps navigation;
- Implemented cross-platform push notifications via Firebase Cloud Messaging with APNS token management on iOS and topic-based messaging for operator broadcasts;
- Handled end-to-end production setup: Firebase Authentication, signing, App Check, multi environment builds, Italian localization, and App Store and Play Store releases.

ForMeCard | *iOS and Android App: Flutter, Firebase, Founder and solo Developer*

- Built and shipped a coalition loyalty app on iOS and Android, allowing merchants to create digital loyalty programs and customers to collect and redeem points via single-use QR codes with expiration;
- Implemented a multi-role system (customer, merchant, staff) with role-based access and dedicated dashboards, including analytics with weekly charts for merchants;
- Built the backend on Firebase using Firestore for data, Cloud Functions for server-side logic, Firebase Storage for venue photos, and Crashlytics for error monitoring;
- Implemented dynamic Italian and English localization with strings loaded from Firestore, allowing language switch at runtime without app restart;
- Integrated native platform features: Siri Shortcuts on iOS, Google Assistant App Actions on Android, and QR code widgets for home and lock screen;
- Developed a store locator with geolocation and deep linking flows for staff invitations.

UnicalSharing | *University thesis project: Angular, Spring Boot, PostgreSQL, Docker*

- Built a full-stack sharing economy platform for university students featuring carpooling, marketplace, peer tutoring, and messaging, with Esse3 single sign-on authentication;
- Developed an Angular single-page frontend backed by a Spring Boot REST API and PostgreSQL database, containerized with Docker and deployed on Firebase, Render, and Neon.

EDUCATION

MS in Artificial Intelligence and CS - Università della Calabria (Unical, Rende)	Starting September 2026
Relevant coursework: <i>Deep Learning, Intelligent Systems, Big Data Analytics, Massively Parallel Programming on GPUs, Neurosymbolic AI, Theoretical Computer Science</i>	
BS in Computer Engineering - Università della Calabria (Unical, Rende)	Graduating September 2026
Relevant coursework: <i>Algorithms and Data Structures, Object-Oriented Programming, Databases, Software Engineering, Computer Networks, Operating Systems.</i>	

CERTIFICATIONS

English B2 – Certified by EF College (Santa Barbara, USA)	2018
Data Engineering Master Course, PySpark, Databricks and Google Cloud Platform – Udemy	2025