

Muhammed Elsaeed

Mobile Software Engineer | Flutter, iOS, Android, SDK and Package Development

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PROFESSIONAL SUMMARY

Mobile Software Engineer with five years of Flutter experience and verified professional work across iOS, Android, reusable SDKs, and production mobile delivery. Builds and improves mobile products from requirements and architecture through implementation, testing, technical documentation, CI/CD, and release. Professional work includes modular iOS SDK components, greenfield and existing Flutter applications, native Android development with Kotlin and Jetpack Compose, secure document and identity-verification workflows, reusable open-source Flutter packages, and technical team leadership including work assignment, code review authority, mentoring, and product strategy (BRD/PRD authoring, competitor research, and roadmap planning).

SKILLS

Mobile: Flutter, Dart, iOS, Swift, UIKit, SwiftUI, Android, Kotlin, Java, C, C++, Android NDK, Jetpack Compose, Room, Retrofit, OkHttp, Gson, Kotlin Serialization, Kotlin Coroutines, Jetpack Navigation, Gradle, Swift Package Manager, Google ML Kit, OpenCV, TensorFlow, SQLite, APNs, BLE, GPS, NFC

Architecture and delivery: Mobile Architecture, Software Architecture, OOP, Data Structures, Algorithms, Design Patterns, MVVM, SOLID Principles, MVC, Clean Architecture, Feature-Based Folder Structure, Dependency Injection, Multi-threading, SDK Development, Flutter Package Development, API Integration, Firebase, Firebase Analytics, Mixpanel, Amplitude, A/B Testing, Localization, Responsive and Adaptive UI, Software Testing, JUnit, Mockito, Espresso, Integration Testing, Snapshot Testing, Technical Documentation

Leadership and product strategy: Technical Team Leadership, Code Review Authority, Mentoring, Work Assignment, BRD and PRD Authoring, Competitor Research, Product Roadmap Planning, Stakeholder Presentations

Supporting backend and data: ASP.NET, .NET, Microsoft SQL Server, SQL

Tooling and product: Azure DevOps, Azure Repos, Azure Wiki, Azure Pipelines, Jenkins, GitHub Actions, GitLab CI, TFS, Git, GitHub, GitKraken, Sourcetree, CI/CD, Xcode, Android Studio, Visual Studio Code, Cursor, Product Management, Product Ownership, Agile Delivery, Figma

AI-assisted engineering: ChatGPT, Codex, Claude Code, Cursor, OpenCode, Hermes, AI Agent Configuration, Prompt Engineering, Reusable Agent Instructions, LLM Knowledge Systems, Local Language Models, RAG Workflows, MCP and Custom Tools

PROFESSIONAL EXPERIENCE

Aksis Dijital Çözümler - Mobile Developer

Istanbul, Türkiye | Hybrid | July 2022 - July 2026

iOS Developer | December 2022 - July 2026

- Researched architecture options and transformed AX Onboard from one iOS application into five independently usable framework and SDK components using Swift, UIKit, and SwiftUI.
- Migrated package management from CocoaPods to Swift Package Manager and produced technical documentation, sample integrations, and implementation support for partner developers.
- Integrated face recognition and NFC reading for compatible identity cards and passports in document-capture and remote-onboarding workflows supporting remote KYC and digital onboarding for finance and mobile-banking contexts.
- Extracted the mobile video-call capability from AX Onboard and established it as an independently structured iOS project.
- Led the last major AX Onboard update and other private Aksis initiatives as technical lead, with authority over work assignment, research, software architecture, folder structure, code review, technical decisions, and mentoring.
- Implemented Apple Push Notification service (APNs) integrations and applied multi-threading in iOS delivery; used Sourcetree alongside Azure Repos for version control.

Android Developer | July 2022 - July 2025

- Developed and maintained Kotlin, Java, and Jetpack Compose Android work with Gradle for document scanning, document capture, identity verification, security, and data privacy within the AX Mobile team, using Room, Retrofit, OkHttp, Gson, Kotlin Coroutines, and Jetpack Navigation.
- Built the document-scanning project with Google ML Kit, OpenCV, and TensorFlow, including a small on-device AI image-classification component.
- Applied MVVM, SOLID principles, and feature-based folder structure; used JUnit and Mockito unit testing, Espresso UI testing, Integration Tests, and Snapshot Tests; and used Git and Team Foundation Server (TFS) for version control, applying multi-threading in Android delivery.
- Used Android NDK, BLE, GPS, and NFC across Aksis roles; used Kotlin Serialization alongside Gson.

Flutter Developer, AX Digital | June 2026 - July 2026

- Built the AX Digital Flutter application from scratch, analyzed an existing web portal, and rebuilt its workflows and interface as an adaptive mobile experience for phones and tablets.
- Combined Flutter development with product-management responsibility across requirements, design, implementation, testing, and delivery, including security controls for sensitive files and documents.
- Used SQLite for local data storage and implemented APNs push notifications in AX Digital.
- Used Azure Repos and Azure Wiki across mobile projects and created automated Azure Pipelines for Android, iOS, and Flutter delivery.

Business Solution Architect | June 2026 - July 2026

- Designed project infrastructure, researched and evaluated architecture according to project and company-infrastructure needs, and established appropriate modular, microservices, or framework-based foundations.
- Led a confidential project, directing two junior developers with authority over work assignment, software architecture, folder structure, code review, technical decisions, and mentoring.
- Conducted market research, wrote the BRD and PRD, defined the feature list, ran competitor research, set milestones and the roadmap, and presented findings and plans to product owners and stakeholders.

EduStation Platform - Mobile Application Developer

Freelance | Remote | October 2025 - June 2026

- Stabilized and expanded an operational Flutter application across payments, UI, API calls, business logic, backend integration, routing, folder structure, and reusable components.
- Implemented Google Maps and location experiences with GPS, payment methods and checkout flows, events, prizes, animations, localization, Material 3 patterns, and responsive interfaces.
- Used A/B testing with Firebase Analytics, Mixpanel, and Amplitude.
- Documented application architecture and backend contracts, contributing across requirements, testing, release, and post-release improvement.
- Shipped production changes to users through both Google Play and the Apple App Store.

Vizyon 360 - Mobile Application Project and Flutter Teacher

Seasonal | Beykoz, Istanbul, Türkiye | December 2023 - June 2024

- Taught Flutter and mobile application projects to high-school students, guiding idea development, prototyping, UI design, branding, Dart fundamentals, and Flutter prototype development.

Earlier Experience

- **IND Bilişim - Software Engineer Intern** | April 2022 - May 2022: Contributed to a Flutter white-label municipal application while learning professional architecture, API integration, and complex response handling.
- **Nearay - Flutter Front-End Intern** | October 2021 - December 2021: Implemented Flutter interfaces from Figma designs.
- **SınavBoard - Software Backend Intern** | July 2021 - August 2021: Helped develop ASP.NET and Microsoft SQL Server backend APIs for a Flutter application.
- **Yamaha Agency in Iraq - Freelance Flutter Developer** | January 2021 - March 2021: Built and delivered a Flutter website presenting the agency's products and services.

PROFESSIONAL DEVELOPMENT

Oyun ve Uygulama Akademisi - Flutter Trainee and Product Owner

December 2022 - August 2023

- Completed the Flutter application-development track with verified learning in Flutter, technology entrepreneurship, game art, and Google project management.
- Served as Product Owner for Flutter Team 132 on Solution Center, guiding product definition and a three-sprint team rebuild of an earlier university capstone concept.

PROJECTS

Aksis Document Scan - Android Document Scanning | Aksis Dijital Çözümler | Kotlin | 2022 - 2025

- Built the Android document-scanning project in Kotlin using Google ML Kit, OpenCV, and TensorFlow with a small on-device image classifier, supporting document capture, identity verification, security, and data privacy.

Anas Localization - Creator and Maintainer

melsaeed276.github.io/anas_localization | pub.dev/packages/anas_localization | github.com/Melsaeed276/anas_localization

- Created and maintain an open-source Flutter and Dart localization package, verified at version 1.3.0 with ten published versions.
- Provides type-safe and runtime translations, Arabic-aware pluralization, locale fallback, RTL support, rich text, ARB/CSV/JSON workflows, validation and statistics CLI tools, migration utilities, a visual catalog editor, and optional remote updates.

progress_card - Creator and Maintainer

pub.dev/packages/progress_card | github.com/Melsaeed276/Progress-Card-Indicator

- Created and published a customizable Flutter progress-border card widget, verified at version 0.2.2, with configurable drawing, gradients, colors, dimensions, and an interactive example application.

GuessTheTopic - Flutter Social Game

- Built an unpublished Flutter social game covering player setup, category and topic selection, hidden roles, guided rounds, voting, results, admin tools, authentication, advertisements, light and dark themes, and Arabic, English, and Turkish localization.

EDUCATION

Marmara University - M.Sc., Engineering Management, non-thesis | February 2025 - February 2026 | 88.75/100

- Semester project: mobile architecture patterns and software quality across iOS, Android, and Flutter, including a personally implemented and benchmarked cross-platform authentication case study.

Üsküdar University - B.Sc., Software Engineering | September 2018 - August 2022 | GPA 3.44/4.00

CERTIFICATIONS

- Turkcell Geleceği Yazarlar - Swift 101, 201 and 301 (2025); Swift ile iOS Programlama 101, 201 and 301 (2026); Kotlin ile Android Programlama 101, 201 and 301
- Google Project Management Specialization - Google, 2023
- Oyun ve Uygulama Akademisi Flutter Graduation Certificate, 2023

LANGUAGES

Arabic - Native or bilingual | English - Full professional | Turkish - Professional working