ESLAM APED

Flutter Developer & Backend Developer

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PROFESSIONAL SUMMARY

Senior Flutter Developer with 3+ years of professional experience in mobile development (Flutter, Android/iOS) and full SDLC ownership. Expert in Clean Architecture, SOLID principles, and state management (BLoC, Riverpod, Provider, GetX). Proven track record of leading mobile development initiatives, mentoring junior developers, and delivering 10+ production apps on App Store and Play Store. Strong expertise in CI/CD pipelines (GitHub Actions, Codemagic), RESTful APIs, GraphQL, Firebase, and cloud backends. Fluent in English and Arabic with excellent communication skills in Agile/cross-functional environments.

KEY ACHIEVEMENTS

- Reduced deployment time by 40% through CI/CD automation using GitHub Actions and Codemagic
- Delivered 10+ production apps published on App Store and Play Store with complete release management
- Reduced app startup time by 30% through mobile performance optimization and debugging
- Architected ERP ecosystem with 4 interconnected mobile applications using modular architecture
- Led code reviews, mentored junior developers, and enforced development standards across teams

TECHNICAL SKILLS

Mobile Development: Flutter, Dart, Native Integration (Kotlin/Java, Swift/Objective-C), KMP, CMP, Dart Isolates, Background Services, Memory Optimization, Responsive Design, Custom Widgets

Architecture & Design Patterns: Clean Architecture, MVVM, MVI, SOLID Principles, Modular Architecture, Repository Pattern, Dependency Injection, Design Patterns

State Management: BLoC/Cubit, Riverpod, Provider, GetX, MobX

Backend & APIs: RESTful APIs, GraphQL, JSON, Python, Django REST Framework, FastAPI, Firebase Cloud Functions

Databases & Storage: PostgreSQL, MySQL, SQLite, Hive, Firestore, NoSQL, Secure Data Storage, Offline-First Architecture

Cloud & DevOps: Firebase, AWS, Azure, GitHub Actions, Codemagic, Bitrise, Docker, Nginx, VPS Deployment, CI/CD Pipelines

Testing & Quality: Unit Testing, Widget Testing, Integration Testing, Automated Testing, Code Reviews, Debugging, Performance Optimization

Tools & Methodologies: Git, GitHub, JIRA, Agile/Scrum, Sprint Planning, Cross-Functional Collaboration, App Store/Play Store Release Management

PROFESSIONAL EXPERIENCE

Senior Software Engineer
Cogens (cogens.com)

September 2024 - Present
Canada (Remote)

- Led mobile development initiatives, architecting complex ERP ecosystem of 4 interconnected apps using Clean Architecture and SOLID principles
- Defined and implemented robust app architectures using BLoC/Cubit state management with modular, scalable code structure
- Engineered real-time bus tracking system using Dart Isolates and platform channels for persistent socket connections
- Collaborated with backend teams to define RESTful APIs, handle data exchange, and optimize SQL queries for high-concurrency

- Established CI/CD pipelines via GitHub Actions, managing app release cycles to Google Play Store and Apple App Store
- Integrated multi-gateway payment systems (Stripe, PayPal) with secure authentication flows
- Mentored junior developers, conducted code reviews, and enforced development standards across the team

Senior Flutter Developer
February 2024 - Present

3I Vision (3i-vision.com)
Giza, Egypt (Hybrid)

- Designed and developed AI-powered mobile applications integrating ML models for People Detection and License Plate Recognition
- Applied Clean Architecture and design patterns to maintain code quality, modularity, and testability
- Optimized application responsiveness and resource usage, reducing app startup time by 30% through lazy loading
- Built robust offline-first architecture using Hive/SQLite with cloud synchronization via Firebase
- Implemented unit, widget, and integration tests ensuring code quality and reliability
- Participated actively in Agile ceremonies: sprint planning, daily stand-ups, and retrospectives

Software Engineer (Freelance)
January 2022 - January 2024

Self-Employed
Remote

- Managed complete SDLC for ride-booking and sports booking platforms, delivering high-quality mobile experiences
- Architected serverless backends using Firebase Cloud Functions with Firestore NoSQL database
- Integrated RESTful APIs, Google Maps API, and third-party services for complex geospatial features
- Delivered responsive, multi-language cross-platform apps (Arabic/English) with RTL compatibility
- Worked closely with clients to translate business requirements into functional mobile applications

PROJECTS

Cogens Parent App
School management app for parents - attendance, payments, bus tracking
App Store | Play Store

Cogens Student App
Educational app for students - schedules, grades, assignments
App Store | Play Store

Cogens Bus Driver App
Real-time GPS tracking and route management for school buses
App Store | Play Store

Cogens Staff App
Staff management with attendance, scheduling, and notifications
App Store | Play Store

Cogens Admin Panel
Django-based web dashboard for school administration
Web App

Cogens Vendor Panel
Hot lunch vendor portal with payment integration
Web App

3I Vision App
AI-powered People Detection and License Plate Recognition
App Store | Play Store

DataMind Agent
AI-powered file manager with intelligent classification
App Store | Play Store

Adahi App
Aramco inventory management with QR scanning and offline sync
Play Store

Yalla L3b
Sports court booking with ratings and geolocation
Play Store

Aman App
Inter-city bus tracking for Oman market (In Development)
Admin/Driver/Passenger Apps

EDUCATION

Bachelor of Science in Computer Science
Cairo University | 2017 - 2022

CERTIFICATIONS

The Complete Flutter & Dart: Basics to Advanced - Udemy (2025)

Mastering Multi-Modular & Clean Architecture in Android - Udemy (2024)

LANGUAGES

Arabic (Native) | English (Fluent) | French (Intermediate)