

Jamal Salem

Junior Flutter Developer | Software Engineer

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PROFILE

Flutter Developer (Freelance) *Self-Employed* | [2024] – Present

- Delivered full-cycle mobile solutions for diverse clients, transforming requirements into published applications.
- Collaborated with UI/UX designers to implement pixel-perfect interfaces with complex animations.
- Integrated third-party APIs (Maps, Payments, Social Auth) and resolved critical bugs to ensure app stability.
- Maintained code quality using linting tools and wrote unit tests for core business logic.

PROFESSIONAL EXPERIENCE

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10/2024 – Present

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PROJECTS

Ihsan – Islamic Companion Utility 🔗

- Developed a high-precision utility app utilizing **Sensor Fusion** (Magnetometer & Accelerometer) for accurate Qibla direction.
- Implemented complex astronomical algorithms to calculate prayer times based on geolocation.
- Optimized local database queries for instant search within a large Quranic dataset.

CalorieWise – Health Analytics Dashboard 🔗

- Built a data-driven health tracker featuring interactive **Data Visualization** (Charts/Graphs).
- Programmed complex metabolic algorithms to calculate BMI and daily caloric needs dynamically.
- Utilized local persistence for tracking daily progress and generating health reports.

Seraj – Audio Storytelling Ecosystem 🔗

- Engineered a robust audio streaming platform with **background playback services** using Isolates.
- Implemented an **Offline-first** approach, allowing users to cache audio content for playback without internet.
- Designed an immersive, night-mode UI optimized for user engagement and accessibility.

ShopEse – E-Commerce Platform 🔗

- Architected a scalable e-commerce application using **Clean Architecture** and **Bloc** for state management.
- Integrated secure payment gateways (**Stripe**) and managed complex cart/order logic.
- Implemented **Pagination** and caching strategies to handle large product datasets efficiently.

EDUCATION

Bachelor of Science in Information Technology

2018 – 2022

Al-Azhar University

LANGUAGES

Arabic

Native or Bilingual Proficiency.



English

Professional Working Proficiency.



SKILLS

Mobile Development

- Flutter SDK, Dart (OOP, Async, Streams, Null Safety), Android & iOS Deployment.

Architecture & Design

- Clean Architecture, MVVM, MVC, SOLID Principles, Design Patterns (Repository, Singleton, Factory, Dependency Injection).

State Management

- BLoC (Cubit), Riverpod, Provider, GetX.

Networking & APIs

RESTful APIs (Dio, Retrofit, Http), GraphQL, JSON Serialization, Error Handling, Postman (API Testing), Swagger.

Databases

Microsoft SQL Server (T-SQL), Firebase (Firestore, Auth, Storage, FCM), Local Storage (Hive, Sqflite, Shared Preferences).

UI/UX Implementation

Figma-to-Flutter, Responsive Design, Material 3, Cupertino, Animations (Hero, Lottie), Custom Painters.

Tools & DevOps

Git, GitHub (Flow & Actions), GitLab, CI/CD Basics, VS Code, Android Studio, Jira (Agile/Scrum).