

# **Yasser Jeroodi**

**Software Engineer**

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Old Damascus

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## **SUMMARY**

Software Engineer with 3 years of hands-on experience building robust, testable, and maintainable applications. Strong focus on quality assurance and automated testing (unit, integration, and end-to-end), CI/CD pipelines, and local-first/mobile-first architectures. Experienced with cross-platform mobile development (Flutter/Dart), backend services (Django), real-time systems (WebSockets/SignalR), and security best practices. Comfortable working in Agile teams and owning delivery of high-stability software.

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## **KEY SKILLS**

- Testing & QA: Unit testing, integration testing, end-to-end testing, test automation, TDD basics, test plan creation, QA best practices
  - CI/CD & Automation: GitHub Actions / GitLab CI pipelines, automated builds, artifact management, deployment automation
  - Architecture & Patterns: Clean Architecture, Design Patterns (Facade, Observer, Adapter), modular/testable code
  - Mobile & Local-First: Flutter, Riverpod, BLoC, Isar DB, Hive
  - Backend & Realtime: Django, REST APIs, SignalR / WebSockets
  - Security & Data: Secure token storage, document encryption, secure authentication flows
  - Mapping & Location: OpenStreetMap (OSM), GPS integration
  - Tools & Versioning: Git, Jira, unit testing frameworks, mocking, secure storage solutions
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## **PROJECTS**

### **QuitMate — Privacy-first wellness app**

- A privacy-first wellness app to quit smoking and manage compulsive behaviors. Engineered with a local-first approach using Isar DB and Riverpod for reactive state management.

- Built with a robust CI/CD pipeline and comprehensive automated testing suites (unit, integration, e2e) to ensure 99.9% stability in production.
- Tech highlights: Riverpod, Isar DB, CI/CD, automated testing, Firebase (analytics/push).

### **Core Banking System — Secure financial platform**

- Architected a secure, flexible core banking platform emphasizing modularity and maintainability.
- Integrated multiple design patterns (Facade, Observer, Adapter) within a Clean Architecture framework; implemented real-time financial data streaming via SignalR WebSockets and secure token storage.
- Focused on security, test coverage for critical flows, and automated acceptance tests.
- Tech highlights: SignalR, Design Patterns, Clean Architecture, Security, Firebase, automated testing.

### **Gov-Citizen Complaint System — Civic engagement & tracking**

- Civic platform enabling citizens to submit complaints with precise GPS tagging (OpenStreetMap) and secure document encryption for sensitive attachments.
- Real-time tracking of administrative responses using WebSockets and integrated push notifications; built with Riverpod and comprehensive unit testing for critical components.
- Tech highlights: Riverpod, OSM maps, GPS, SignalR/WebSockets, Firebase, encryption, unit testing.

### **AI-Hadara Education Institute Management System — Software Engineer (04/2025 - 09/2025)**

- Developed cross-platform student & teacher mobile apps with secure authentication (biometric, token-based) and secure storage.
- Implemented offline storage, data persistence, e-wallet payments, barcode scanning, and real-time notifications (WebSockets).
- Adopted Clean Architecture with dependency injection, and improved test coverage across the app.
- Led Agile ceremonies as Team Lead & Scrum Master; managed sprints in Jira and version control in Git.

### **Tourism Management System — Backend Engineer (03/2024 - 08/2024)**

- Designed and implemented REST API backend (Django & MySQL) for tourism booking platform: authentication, bookings, reviews, payments, loyalty systems.
- Integrated WebSocket-based real-time notifications and booking updates; enforced JWT authentication and role-based access control.
- Ensured API reliability with automated tests and CI pipelines.

### **Drug Warehouse Management System — Software Engineer (10/2023 - 01/2024)**

- Built mobile and web apps for warehouse inventory and logistics using Flutter, focusing on modular and testable codebases following Clean Architecture.

## **EDUCATION**

### **Faculty of Information Technology Engineering — Damascus University (2021 - Present)**

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## **TOOLS & TECHNOLOGIES**

Flutter · Dart · Riverpod · Isar DB · Hive · Django · MySQL · SignalR · WebSockets · OpenStreetMap · Firebase · CI/CD (GitHub Actions/GitLab CI) · Unit Testing · Integration Testing · E2E Testing · Encryption · JWT · Git · Jira

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## **LANGUAGES**

Arabic (Native) · English (Fluent)