

# Salem Zakkar

## Software Developer

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### SUMMARY

Software Developer specializing in mobile and backend development, building production-ready applications with Flutter for cross-platform mobile experiences and Kotlin for Android system-level features. Experienced in backend development using NestJS, PostgreSQL, and MongoDB to build scalable backend applications, including REST APIs and real-time services.

### PROFESSIONAL EXPERIENCE

Unifi Solutions, Mobile App Developer

08/2024 – Present  
Montreal, Canada - Remote

- Developed cross-platform mobile apps for IoT, medical, and maintenance using flutter, Jira, Bitbucket.
- Integrated offline-first architecture with local storage and syncing mechanisms to ensure reliability in low-connectivity environments.
- Used Kotlin for implementing alarm systems and integrating Firebase Remote Config for dynamic feature control on Android.
- Worked with Web Sockets and Firebase for real-time communication and data updates.
- Integrated Google Maps with marker clustering for efficient geolocation data visualization in apps.
- Implemented Stripe payment integration for seamless and secure transactions.

Faya dev, Software Developer

06/2023 – 06/2024 | Baghdad, Iraq - Remote

- Led development of a riding app with Android location tracking using Kotlin, integrating real-time chat and trip tracking with NestJS, PostgreSQL, and Firebase.
- Contributed to e-commerce and erp applications features, focusing on performance and user experience in ordering and browsing flows
- Created a comprehensive cross-platform time tracking system with Flutter and Java, featuring HID listener-based activity tracking, screen capture, productivity monitoring, task management, work logging, and real-time data synchronization.
- Worked closely with backend and mobile teams, utilizing technologies such as Flutter, Dart, Kotlin, Java, NestJS, PostgreSQL, and Firebase.

Faya dev, Software Developer Intern

12/2022 – 05/2023 | Baghdad, Iraq - Remote

- Developed full-stack mobile applications, engineering responsive frontends with Flutter and building robust backend services using NestJS and PostgreSQL.
- Refactored application state management in Flutter, significantly improving data flow predictability, reducing code redundancy, and enhancing app performance.
- Diagnosed and resolved critical bugs across the mobile frontend and NestJS backend, increasing overall application stability and improving the user experience.
- Built and integrated secure REST APIs, ensuring seamless end-to-end communication and data synchronization between the mobile client and server.

### EDUCATION

Bachelor of Informatics Engineering,  
Arab University Of Science And Technology

2019 – 2024 | Hama, Syria

### SKILLS

Problem Solving, Atlassian Tools, Git, Github, GitLab, ShoreBird, Code Push, Code Magic, Great Collaboration.

**Mobile**  
Flutter, Dart, Firebase, Android plugin development, Clean Architecture

**Backend**  
Node.js, TypeScript, Express JS, NestJS, MongoDB, Mongoose, PostgreSQL, PostGIS, MySQL

**AI**  
Claude Cli, Ollama, MCP

### LANGUAGES

**Arabic**  
Native

**English**  
Proficient

**Dutch**  
Basic

### CERTIFICATES

- Syrian private CPC
- Syrian CPC