

GOUDJAL MOHAMMED YUCEF

Laghouat, Algeria | +213 6 63 51 96 49 | m.goudjal.y@gmail.com

LinkedIn: [linkedin.com/in/youcef-goudjal](https://www.linkedin.com/in/youcef-goudjal) | **GitHub:** github.com/youcef-goudjal

Education

PhD in Computer Science

University of Bejaia, Algeria | 2022 - Present

- Research focus: Performance evaluation and optimization in IEEE 802.15.4 networks.

Master of Computer Science

University of Laghouat Ammar Thliji, Algeria | 2016 - 2022

Bachelor of Mathematics

Hadj Aissa High School, Laghouat, Algeria | 2015 – 2016

PROFESSIONAL EXPERIENCE

Mobile Developer

Yassir | 2023 - Present

- Contributing to the development of the company's main application using Flutter.
- Implemented **real-time features** using **WebSockets** and integrated **MongoDB-based backend services** for data persistence and synchronization.
- Designed and implemented a **scalable, fault-tolerant application architecture** from scratch, improving performance, maintainability, and reliability.
- Built with an **offline-first data layer**, including local caching, background synchronization, and conflict resolution strategies to ensure data consistency.
- Integrated Flutter modules with **native iOS (Swift) and Android (Kotlin/Java)** codebases using platform channels for access to platform-specific APIs.
- Optimized application performance through efficient state management, asynchronous processing, and resource handling.

Freelance Mobile Developer

Part-time | 2019 - Present

- Built the **Faciquest app**, enabling the publication of dynamic surveys tailored to client needs.
- Designed user-friendly interfaces and integrated real-time data collection systems.
- Provided mobile development services for diverse projects, ensuring quality and performance.
- Built **DZPOS app**, a point of sale app with local database and inventory management

Junior Mobile Developer

BFQuark | 2019 - 2022

- Developed and maintained mobile application interfaces.

SKILLS SUMMARY

Technical Skills:

- Programming Languages: Dart, Java, Python.
- Mobile Development: Flutter, Android Studio, ObjectBox, Realm.
- Database Management: MongoDB, SQLite, NoSQL, SQL, SGBD.
- Networking and Tools: Socket programming, MATLAB.
- Design Patterns: Expertise in creating reusable and maintainable design patterns in Dart.

Core Competencies:

- System Design and Architecture.
- UI/UX Design for Mobile Applications.
- Real-time Data Management and Integration.
- Research and Analytical Problem-Solving.

Soft Skills:

- Creativity, adaptability, teamwork, and strong communication.

PERSONAL PROJECTS

- **Gaming Series:** Building a series of retro games in Flutter, focusing on replicating classic gameplay experiences.
- **Point-of-Sale Application:** Designed a Flutter-based POS system supporting role management and supplier tracking.

LANGUAGES

- **Arabic:** Native proficiency
- **English:** Professional working proficiency
- **French:** Limited working proficiency (B1 level)