

# AMINE SOUAIAIA

React Native developer

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## Summary

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Experienced and dedicated Full Stack developer with over 5 years in mobile development. Capable of managing projects from concept to launch. Strength in native development in IOS with Swift, android in JAVA and cross platform development with react native. I have proven experience in mobile development with applications in production with over million users worldwide.

## EDUCATION

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PhD student at University of Annaba :  
2011 - not finished

Using machine learning techniques to generate program invariants.

Master at University of Annaba : 2010  
Software engineering

## PORTFOLIO

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G.S.D. - Online e-commerce store <https://play.google.com/store/apps/details?id=com.miinosoft.gsd>

Freelancer

2020

An application for managing an online store for a dental supplier.

- **Developed with React native (Bare workflow)**
- Designed application from scratch
- Used redux toolkit for state management
- React navigation for navigation
- React Native Elements for the UI.
- Created personalized UI components.
- Firebase as a backend in which we have used the analytics, Firestore as default database, FCM for sending and managing notifications, Authentication for managing clients.
- Expertly managed diverse edge cases and optimized for varying screen sizes to deliver a flawless user experience across both smartphones and tablets.
- Created an admin panel to manage products, commands, users and send offers to clients using FCM.

Shop It - Shared shopping list <https://getshoplist.app/>

Personal project

2019

Shared grocery list with family and friends

- **Developed with react native (Bare workflow)**
- Published to Play Store and AppStore
- Designed application from scratch
- **Redux** toolkit for state management
- Implemented a **cache** strategy using the **MMKV** library and gained over **80%** in startup time (**TTI**) compared to firestore server requests.
- Migrated from **JavaScript** to **TypeScript**: Enhanced type safety, early error detection, and improved maintainability and scalability of the codebase.
- Refactored React code: Converted Class components to Functional components with React Hooks (useState, useEffect), simplifying state management and improving code readability and performance.
- Developed "**CachedImage**" component: Implemented image caching to prevent recurring server calls, reducing remote requests by **95%**, significantly improving app fluidity and preventing **layout shifts**.
- **Created micro animations**: Designed subtle animations to enhance the UI/UX, making the application easier and more enjoyable to use.
- Deep linking with Firebase deep link
- Managing notifications with the **Notifee** library
- Added localization for (English, French and Arabic)
- Expertly managed diverse edge cases and optimized for varying screen sizes to deliver a flawless user experience across both smartphones and tablets.
- Developed a backend with Firebase.
- Used Firebase Functions (Node JS) to trigger updates to the database and send notifications to subscribed users.
- Not yet monetized

Unfriend Finder for Facebook <https://unfriend-app.com>

Personal project

2016

An application that sends notification to Facebook users when a friend deleted them.

- **Developed with JAVA for android & SWIFT for IOS**
- Published to PlayStore (**1 million** downloads) and AppStore
- We used the MVVM architecture for iOS and Android
- We used Room Database for android and CoreData for ios for storing user friend list in the device (phone)
- Configured and deployed a Spring Boot backend to OVH VPS with HTTPS.
- Rest API with spring boot secured with JWT (Stateless).
- Modeling an efficient database that handles one (1) million users with their unfrinding history.
- We developed a backend with Spring Boot framework in which we have used the MySQL database with spring db as ORM

- Monetized with freemium (ads and less feature) and premium (in-app purchases)

## WORK EXPERIENCE

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Teacher at the Souk Ahras University  
Partial time teacher

Souk Ahras  
2011 - 2015

- Taught Office Automation and Algorithmics courses to undergraduate students.
- Designed and implemented curriculum for office automation, covering software such as Microsoft Office (Word, Excel, PowerPoint) and other productivity tools.
- Developed course materials and teaching resources to enhance understanding of algorithmic concepts, including practical exercises and case studies.
- Supervised and evaluated student projects, significantly contributing to the improvement of their practical and theoretical skills.
- Actively participated in departmental meetings and curriculum revision initiatives, notably contributing to the updating of educational content.

## ACADEMIC CONTRIBUTIONS

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Conference Presentation and Publication  
ICITeS Conference

Sousse, Tunisia  
2012

- Presented a research paper titled "**Learning Invariants Using Association Rules Technique**" at the International Conference on Information Technology and e-Services (ICITeS).
- The paper was accepted and published in the IEEE Proceedings.
- Delivered the presentation in English, demonstrating proficiency in both technical content and language..

## Skills

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Mobile Development, UI/UX, Back-end development (JAVA), Native Android, Agile Methodology, Project Management, Data Analysis, Presentation Skills, Client Relationship, Management Linux

