Mohamed Rayen Sbai

React Native Developer

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PROFILE

I'm a React Native developer in the final year of an IT degree, and I started on Android. I write native libraries for React Native in Kotlin and Swift, send fixes to Expo and have shipped four apps to Google Play on my own. I'm looking for a final-year internship (PFE) in mobile development from January 2027, on site in Sousse or Nabeul, or remote.

OPEN SOURCE

`react-native-codepad` · Creator — October 2026

A native code editor for React Native. It runs its own engine in Kotlin on Android and Swift on iOS, with tree-sitter highlighting and no WebView.

- Built it on Nitro Modules and published it as 16 npm packages: the core and one per language.
- Wrote one set of test vectors that the Kotlin and Swift engines both run.

`react-native-inkpad` · Creator — October 2026

A native ink canvas for React Native. It draws with androidx.ink on Android, PencilKit on iOS and Canvas 2D on the web.

- Reached 1,500+ npm downloads in its first month.
- Made it a drop-in replacement for react-native-signature-canvas.

Expo · Contributor — 2026

- Fixed Expo Router async routes that stayed broken after one failed chunk download (merged, pull request #51741).

Pocketly · Contributor — June-September 2026

An expense tracker on Google Play, built with Expo.

- Moved database access out of about 40 files into a repository layer tested against in-memory SQLite, then added versioned migrations.
- Fixed an Android-only bug that stopped users from saving filters.
- Switched the busiest list to FlashList v2 and parallelized the settings load at startup.

Also

- Published `@sectiontn/otp-input`, a one-time password input for React Native with 3,300+ npm downloads.
- Fixed Android biometric prompts and the iOS public key format in react-native-biometrics (three merged pull requests).
- Contributed 37 merged pull requests to Sketchware Pro, an open source Android IDE, in 2021.

APPS ON GOOGLE PLAY

Mentrick · Kotlin, Jetpack Compose — 2024-2026

20 mind games for one phone (party, solo and magic games), with 5,000+ installs.

Moon Meet · React Native, Firebase — 2021-2024

A chat app, first written in Java and later rewritten in React Native. It's open source, has 59 GitHub stars across its two repos and is listed in the React Native Paper showcase.

Encore and **Chmeta** · React Native — 2026

Encore is a spaced-repetition flashcard app. Chmeta is a party card game where players caption Tunisian memes.

EXPERIENCE

Agro Sbai · Intern — January 2026

An agricultural supplies company in Tunisia.

- Built the company's product catalog app in three weeks as my internship project, with Expo Router, Uniwind and HeroUI Native.

EDUCATION

ISET Sidi Bouzid (Higher Institute of Technological Studies) — 2024-2027

Bachelor's degree in IT (Licence TI), Multimedia and Web Development track

Lycée Abou El Kacem Chebbi · Hajeb El Ayoun — 2024

Baccalaureate, Computer Science section

SKILLS

Mobile: React Native, native modules (Kotlin, Swift), Expo, Expo Router, Reanimated, Gesture Handler, FlashList, NativeWind, Tamagui, Jetpack Compose, Android SDK
Programming: TypeScript, JavaScript, Kotlin, Java, Swift
Tools: Firebase, SQLite (Drizzle), Jest, Git, GitHub Actions, Gradle, R8
Web (coursework): HTML, CSS, PHP, Angular
Languages: Arabic (native), English (professional), French (basic)
Certifications: HackerRank: Software Engineer, Problem Solving, SQL and Python, 2024