Mobile Developer

Léa Dubois - Mobile Developer

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As a highly motivated and talented Mobile Developer, I bring 2.5 years of dedicated experience to building high-quality, user-centric applications for both iOS and Android platforms. My expertise spans both native development with Swift for iOS and Kotlin for Android, as well as cross-platform solutions using React Native and Flutter. I am passionate about creating seamless and intuitive mobile experiences that truly meet user needs and business objectives. My strong analytical skills and problem-solving abilities allow me to tackle complex challenges and deliver innovative solutions. I am a continuous learner, always eager to embrace new technologies and improve my craft.Education

- **M.Sc. in Computer Science, ENSIMAG** (2020): My Master's degree provided me with a comprehensive understanding of advanced computer science principles, including algorithms, data structures, software engineering, and artificial intelligence. This program honed my analytical thinking and prepared me for complex development challenges.
- **B.Sc. in Applied Mathematics, Université Paris-Saclay** (2018): My Bachelor's in Applied Mathematics equipped me with a strong foundation in logical reasoning, problem-solving, and mathematical modeling, which are invaluable assets in software development, particularly in optimizing performance and designing efficient systems.

Experience

- **Mobile Developer, App Innovators S.A.** (2021-Present):
  - **Developing and Maintaining Native iOS (Swift, UIKit) and Android (Kotlin, Jetpack Compose) Applications:** I have been deeply involved in the full development lifecycle of multiple native mobile applications. This includes architecting new features, writing clean and efficient code, debugging, and optimizing performance. I am adept at using both UIKit for traditional iOS development and Jetpack Compose for modern Android UI creation, ensuring a consistent and engaging user experience across both platforms.
  - **Implementing New Features and Fixing Bugs in React Native and Flutter Applications:** Beyond native development, I have actively contributed to cross-platform projects. My responsibilities included developing new functionalities, integrating third-party libraries, and resolving complex bugs in

applications built with React Native and Flutter, demonstrating my versatility and ability to adapt to different frameworks.

- ○ **Integrating with RESTful APIs and SDKs (Firebase):** A significant part of my role involves seamlessly integrating mobile applications with back-end services. I have extensive experience consuming RESTful APIs to fetch and send data, ensuring robust communication between the app and server. Furthermore, I have leveraged various Firebase SDKs (Authentication, Firestore, Cloud Messaging, Analytics) to enhance app functionality, improve user engagement, and gain valuable insights.
- ○ **Collaborating Closely with UX/UI Designers:** I believe that a great mobile app is a result of strong collaboration. I regularly work alongside UX/UI designers to translate their designs into functional and aesthetically pleasing interfaces. My understanding of design principles allows me to provide valuable feedback and ensure technical feasibility, leading to a superior user experience.
- ○ **Managing App Store Submissions and Release Cycles:** I have practical experience with the entire app release process, from preparing builds and managing certificates to handling app store metadata and navigating the submission guidelines for both Apple App Store and Google Play Store. This includes monitoring app performance post-launch and facilitating updates.
- **Junior Mobile Developer, Digital Agency** (2020-2021):
  - ○ **Assisted in Developing and Implementing UI Components:** In this role, I gained foundational experience in building user interfaces. I worked on developing and refining various UI components, ensuring they met design specifications and contributed to a cohesive user experience.
  - ○ **Contributed to Bug Fixing and Code Optimization:** I actively participated in identifying and resolving bugs across different applications. This involved debugging, analyzing code, and implementing solutions to improve application stability and performance. This experience solidified my understanding of code quality and maintenance.

Skills

- **Programming Languages:** Swift, Kotlin, JavaScript (for React Native), Dart (for Flutter)
- **Mobile Development Frameworks/Platforms:** iOS (UIKit, SwiftUI - actively learning), Android (Jetpack Compose, XML layouts), React Native, Flutter
- **APIs & Services:** RESTful APIs, Firebase (Authentication, Firestore, Cloud Messaging, Analytics, Crashlytics)
- **Version Control:** Git (GitHub, GitLab, Bitbucket)
- **Development Tools:** Xcode, Android Studio, Visual Studio Code, Postman
- **Methodologies:** Agile (Scrum, Kanban), Test-Driven Development (TDD - familiar)
- **Other Skills:** UI/UX Principles, Object-Oriented Programming (OOP), Functional Programming concepts, Data Structures, Algorithms, Debugging, Performance Optimization, Unit Testing, Integration Testing, Troubleshooting, Communication, Teamwork, Problem-Solving.

Courses & Certifications

- **iOS App Development with Swift Specialization**, University of Toronto (Coursera)
- **The Complete Android Kotlin Developer Course**, Udemy
- **Flutter & Dart - The Complete Guide**, Udemy
- **React Native - The Practical Guide**, Udemy
- **Introduction to Cloud Computing**, Google Cloud Skills Boost (actively pursuing)

Hobbies & Interests

Outside of coding, I'm an avid hiker and love exploring the beautiful French countryside. I find that spending time in nature helps me clear my mind and approach technical challenges with fresh perspectives. I'm also a keen photographer, particularly enjoying street photography, which has helped me develop a keen eye for detail and composition – skills I believe indirectly benefit my UI development work. Furthermore, I volunteer at a local animal shelter on weekends, which is incredibly rewarding and keeps me grounded.First-Person Statement

"I am a passionate and dedicated Mobile Developer with a relentless drive to create impactful and user-friendly applications. My journey in software development began with a strong academic foundation in Computer Science and Applied Mathematics, which instilled in me a rigorous approach to problem-solving and a deep understanding of logical systems. Over the past 2.5 years, I've had the privilege of working on diverse projects, from crafting native iOS and Android experiences to leveraging the power of cross-platform frameworks like React Native and Flutter. I thrive in collaborative environments where I can learn from others and contribute my expertise. I am always eager to embrace new challenges, expand my skill set, and contribute to innovative projects that make a real difference. My goal is to continually push the boundaries of what's possible in mobile technology, delivering exceptional applications that users love."