

# Xaivery Rusconi

Mobile/Web Developer

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Passionate iOS Developer with a strong background in building native iOS applications using Swift and SwiftUI. Adept at delivering secure, intuitive, and high-performing mobile experiences. Constantly improving and adapting to new technologies in the mobile app landscape.

## Experience

2024 - Present

### iOS Developer @ Encrypta Chat - <https://apps.apple.com/us/app/encrypta-chat/id6480382145>

- Developed and deployed Encrypta Chat, a fully functional end-to-end encrypted messaging app using Firebase as the backend.
- Used CommonCrypto and CryptoSwift to generate AES-256 encryption keys from user UIDs, stored securely in Keychain.
- group chats, audio calls, synchronized msg deletion and encrypted message storage at rest.
- Created Cloud Functions (Node.js) to send real-time notifications and update badge counts on recipient devices.
- Integrated Amazon S3 for encrypted image uploads; stored object keys in Firebase for secure retrieval and display.
- Designed animated UI elements, including pulsating sign-up text and sliding new message indicators for better user interaction.
- Added user features: customizable usernames, anonymous sign-in, email authentication, and user blocking.
- Integrated real-time audio calling using Agora API into an end-to-end encrypted SwiftUI chat app, enhancing secure user communication on iOS.

**Technologies Used:** Swift, SwiftUI, Firebase (Auth, Firestore, Messaging, Cloud Functions), Node.js, Agora RTC API, Amazon S3, CryptoSwift, CommonCrypto, CryptoKit, SwiftKeychainWrapper, Xcode.

2025 - Present

### Flutter Developer @ Last Minute Listings (In-Progress)

- Developed a mobile application that allows businesses to post last-minute appointment openings and enables users to follow businesses for instant notifications (Firebase Cloud Messaging integration in progress for real-time background/foreground delivery).
- Implemented user and business profile creation with data persistence via Firebase Authentication and Firestore.
- Designed and built a booking system where users can schedule appointments, which are displayed in the "Appointments" view and stored in Firestore.
- Created business post listings that auto-fill profile data including company name, country, city, address, and contact number.
- Enabled image uploads for business listings using Firebase Storage.
- Built a follower system where users can follow or unfollow business profiles; follower arrays are updated in Firestore documents.
- Added real-time follower count display on publicly viewable business profiles.
- Built full-text search functionality for post titles with additional filters by country and city.
- Developed authenticated user UI for managing personal listings, including deletion.

**Technologies Used:** Flutter (Dart), Firebase Authentication, Firestore, Firebase Storage, Visual Studio Code

## Full-Stack Web Developer @ GameZone (Personal Project)

Dec 2024 - Feb 2025

- Designed and deployed GameZone, an interactive game review platform using CakePHP, MySQL, HTML, and CSS.
- Implemented full CRUD functionality, allowing users to create, edit, and delete articles, like posts, and leave comments.
- Built a structured comment system with parent-child relationships, enabling threaded replies and like functionality.
- Integrated secure authentication with sign-in, registration, and password reset features, and added search and filtering for users to find articles by title.
- Managed relational data efficiently using MySQL and CakePHP's ORM for likes, comments, and replies.
- Used GitHub for version control and deployed the platform on Heroku for seamless accessibility across devices.

## Full-Stack Web Developer @ M + D Global Trading

Jan 2025 - Present

- Developed and deployed a full-stack inventory management site for a medical supplies company using CakePHP, MySQL, PHP, JavaScript, HTML, and CSS.
- Designed an interactive product image slider and custom dropdown toggle for dynamic product visibility.
- Structured relational database for efficient inventory tracking and added a brochures section for PDFs.
- Followed MVC architecture for scalability and deployed on Heroku (custom domain setup pending).
- Ongoing development: Adding inventory, optimizing for mobile, and implementing updates as needed.

Technologies Used: Cake PHP, PHP, HTML, CSS, MYSQL, Firebase Authentication, Firestore, Visual Studio Code

## Skills

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| <ul style="list-style-type: none"><li>• SwiftUI</li><li>• Swift</li><li>• Flutter</li><li>• Dart</li><li>• Xcode</li><li>• Figma</li><li>• Firebase/Firestore</li></ul> | <ul style="list-style-type: none"><li>• JavaScript</li><li>• PHP</li><li>• CakePhP</li><li>• CSS</li><li>• HTML</li><li>• MySql</li><li>• VS Code</li></ul> |
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## Education

- Sir Winston Churchill High School Diploma 2010
- CWC+ iOS Foundations Bootcamp 2022
  - Learned fundamentals of iOS app development, including Swift programming and SwiftUI for building user interfaces.
  - Acquired knowledge of MVVM architecture for structuring iOS apps.
  - Utilized GitHub for version control and collaborative development.
  - Learned design systems in Figma, including wireframing to create a blueprint of the UI/UX.
- Stanford CS193P - Developing Apps for iOS 2024
  - Swift & SwiftUI for building modern iOS applications.
  - MVVM architecture for clean, maintainable code.
  - State management with @State, @Binding, @ObservedObject, and @Environment.
  - Navigation & View composition using NavigationStack and conditional views.
  - Persistence using UserDefaults, file system, and optionally CoreData
  - Asynchronous programming with async/await and Combine(where applicable)