CRISTIAN **PALOMINO RIVERA**

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Skills

Languages: Swift, Dart, Javascript, Python, Objective-C, Java.
Technologies: iOS, Flutter, Node.js, React.js, Blockchain, Android, Firebase, CI/CD, Git.

Professional Experience

Rappi, Software Engineer.   Oct 2023 - Present

Led a team specialized in refining the **credit card payment** process, addressing everything from **payment information management**, **configuration features**, implementation and integration of specific **payment methods**. Our goal was to simplify and enrich the **payment experience** for users, taking into account regional variations and the specific needs of each country in which we operate (Chile, Peru, Colombia, Mexico, Brazil).

Achievements

Simplified the credit card payment process for Rappi users, enhancing user experience and reducing transaction friction. Implemented support for regional variations, allowing businesses to tailor strategies dynamically based on country-specific requirements. Boosted credit card payment metrics by offering users diverse payment options to better meet their financial needs. Expanded payment method options, providing users with a wider range of choices for completing transactions. Supported additional payment-related features, including bill payments, top-ups, and gift card products, enhancing the overall payment experience for users.

Technologies

- **UI Frameworks & Design**: Expertise in using **UIKit** and **SwiftUI** for building dynamic and responsive user interfaces, coupled with **Compositional Layout** for advanced layout designs. Developed a coherent **Design System** to ensure visual and interactive consistency across the app.
- **Reactive Programming & Architectural Patterns**: Implemented **Reactive Programming** to manage asynchronous data streams, with a strong adherence to **Clean Architecture** and **MVVM** patterns for scalable, maintainable app structures.
- **Data Communication & Strategy Patterns**: Utilized **RESTful APIs** for robust server communication, applying **Strategy Patterns** for flexible algorithm swapping and feature implementations.
- **Testing, Localization, & Feature Management**: Conducted rigorous **Unit Testing** and utilized **Feature Flags** for phased feature rollouts. Emphasized **Strings Localization** to support **multi-region accessibility** and enhance the global user experience.
- **Cross-Platform Development & Dynamic UIs**: Leveraged **Flutter** for efficient **cross-platform feature** integration and adopted **Server-Driven User Interfaces (SDUI)** to dynamically update UI elements, ensuring flexibility and up-to-date user interfaces without frequent app updates.

Paypal, Senior iOS Developer   Jan 2022 - Dec 2023

Contributed on a team dedicated to **enhancing Business Profiles** on Venmo, focusing on improve **user engagement** and **transaction efficiency**. Played a key role in developing features to **increase visibility**, enabling **tipping options**, **contactless payments**, and **manage sales taxes effectively**.

Achievements

Enhanced business visibility by highlighting customer-shared purchases, driving increased engagement and exposure. Developed predefined and custom tipping options for business profile customers, providing greater payment flexibility. Implemented contactless payments for businesses, streamlining and improving transaction processes. Enabled better compliance and user convenience by allowing businesses to manage sales taxes on payment requests.

Technologies

- **Reactive Programming & Architectural Patterns:** Implemented **Reactive Programming** to manage asynchronous data streams, with a strong adherence to **MVVM-C** patterns for scalable, maintainable app structures.
- **UI Frameworks & Design: Used UIKit** for building dynamic and responsive user interfaces, coupled with **Compositional Layout** for advanced layout designs. Developed a coherent Design System to ensure visual and interactive consistency across the app.
- **Data Communication & Design Patterns**: Utilized **RESTful APIs** for robust server communication, applying **Design Patterns** to standardized solutions to common problems.
- **Testing & Feature Management**: Conducted **Unit Testing**, **UI Testing**, and utilized **Feature Flags** for phased feature rollouts.
- **User Engagement & Dependency Managers**; Used **In app** and **Push notifications** to engage users by delivering timely and relevant information. Worked with **Carthage** and **Swift Package Manager (SPM)** to simplify and make more flexible code dependencies
- **Contactless Payments:** Enabled quick and secure transactions using **NFC** technology through **Zettle SDK by PayPal** which provides tools to integrate payments solutions.

Scotiabank, Software Engineer Mar 2018 - May 2021

- Developed globally-used SDKs focused on Authentication and Transactions saving the Bank approximately 300,000 CAD.
  - Utilized cryptography (POK, Signing and Verification and ECC Key-Pairs) and biometrics (Keychain and Secure Enclave) iOS modules.
- Developed internal and external applications for the Bank of Nova Scotia, using iOS architectural patterns such as MVC, MVVM-C and Clean Architecture.
- Led a team of iOS developers, pioneering new functionalities, SDKs, improvements, changes in architecture, reducing technical debt and researching new trends in iOS.
- Worked on migrations of Development Tools, SDKs and Programming Languages to ensure continuous integration with new technologies.
- Promoted the implementation of Unit Tests to achieve over 70% Code Coverage on many iOS modules.

Avantica, Software Engineer III May 2017 – Feb 2018

- Developed an entire iOS application, for saving money and creating financial goals using MVVM architecture.
- Collaborated on the Design and UX process to create MVPs.
- Based on my performance in this role, Scotiabank requested that I work directly with them.

Aerolab, iOS Developer Feb 2016 – Apr 2017

- Developed the MVP for San Francisco Startup of 500 Startups, using MVVM pattern, popular iOS Frameworks, GitFlow, and moderately complex animations.
- Implemented CI using Jenkins to speed up the delivery process of the apps on iOS.

Diloo, Mobile Developer Dec 2015 – Oct 2017

- Developed an entire iOS and Android application for Food Delivery Services,
  - Utilized MVVM and MVP patterns, Swift and Java, Rest APIs, Push Notifications for both apps
  - Client-Server communication using Sockets IO framework to Real Time Chat module.
- The company was acquired for the unicorn company Rappi.

Mambo, iOS Developer Jul 2015 – Jan 2017

- Developed improvements and fixes for Bembos App on Shopping Cart, Payment and Users modules, using Objective-C, MVC pattern, Rest APIs and popular frameworks on iOS.
- Developed updates over Club Intercorp Legacy App and participated on Sura AFP Integra App development.

DoApps, Co-Founder Oct 2014 – Mar 2015

- Led Mobile team focused on the development of a variety of useful apps for iOS and Android.
- Utilized Rest APIs, Mobile UI/UX guidelines, MVC and MVVM patterns, and best OOP practices in Swift and Java.

Peruvian Startups, Mobile Developer Sep 2013 – Jun 2015

- Led development teams made up of Backend and Frontend Developers to plan and implement new and best practices in end to end software development, testing and releasing.
- Developed Android and iOS applications from scratch for various Peruvian Startups, including apps for Delivery, E-Commerce and Finance.