**FRANCISCO MARTIN GPE. PEREZ RAMOS**

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**PROFESSIONAL SUMMARY**

* Over 15 years of software development experience,, including requirement analysis, software design, coding, testing, and maintenance.
* A creative and motivated Mobile Developer with a decade of experience crafting cutting-edge Android (10 years) iOS apps (10 years) and Flutter (1 year) for the marketing and energy industries.

**Application Development and Launch:**

* Proven track record of successfully taking projects from requirement scoping to the actual launch of applications, accumulating 17 years of experience.

**Mobile Application Portfolio:**

* Published over 4 mobile applications on Apple Store & Google Play Store in domains including accounting/finance, education, and marketing.
* Developed numerous applications for international clients in the US, UK, and Europe.

**Mobile Development Expertise:**

* Mastery of Design patterns and object-oriented methodologies for mobile software design over the course of a decade.
* Proficient in the latest iOS and Xcode versions, staying current with industry trends.
* Proficient in Flutter with Visual Code (2 years)

**Hybrid App Development:**

* Skilled in developing hybrid applications using Bootstrap (6 years) and jQuery (7 years) for enhanced cross-platform capabilities.
* Skilled in Flutter (Dart 1 year)

**Native Mobile Development:**

* Adept at native mobile app development using Swift Xcode (10 years) and Java/Kotlin (10 years).

**Architectural Proficiency:**

* Experienced in various architectural patterns such as MVC (7 years), MVVM (3 years) and Clean Architecture (1 year)

**Backend Development Skills:**

* Proficient in REST API backend development using NODE JS/Express Framework (3 years) and C# .NET Core with MVC (2 years).

**Unit Testing and Best Practices:**

* Experienced in UNIT and UI Testing (1 years) in iOS (Unit and UI Testing packages) and Android with

**Data Fetching and Architecture:**

* Proficient in data fetching practices with URLSession, A sync Await swift 5.5 (2 years), and Combine framework (2 years) using MVC (5 years) and MVVM (2 years) architectures.

**UI Development Styles:**

* Skilled in imperative programming with UIKit (10 years) and declarative programming with SwiftUI (2 years), focusing on declarative programming as a primary choice.

**Agile Methodology:**

* Experienced with Agile (3 years) methodology, promoting collaborative and iterative development approaches.

**Full Stack Development:**

* Accomplished Full Stack Developer (15+ years) with extensive expertise in server-side web development including C# (15 years), SQL Server (15 years), Oracle (2 years), and MySQL (10 years).

**Database and Reporting Skills:**

* Background as a database administrator DBA (7 years) and ETL developer (3 years).
* Proficient in Reporting Services (5 years) and Crystal Reports (5 years).

**Security and Industry Standards:**

* Proficient in international security standards for mobile, web, and local development, including penetration testing (3 years), Python (1 year), and Linux kernel (3 years).

**TECHNICAL SKILLS**

| * FRONT END | KOTLIN,SWIFT,FLUTTER,JAVASCRIPT,BOOTSTRAP |
| --- | --- |
| * BACK END | JAVASCRIPT,C#,VISUAL BASIC,EXPRESS JS |
| * IT SECURITY TOOLS * REPORTING * DATAWAREHOUSE & ETL | LINUX KERNEL  MICROSOFT REPORTING SERVICES, CRYSTAL REPORTS  INFORMATICA POWER CENTER |
| * CLOUD | GOOGLE CLOUD,AZURE,FIREBASE |
| * DEV OPS | DOCKER |
| * DATABASES | SQL SERVER,MYSQL,ORACLE,EXCEL,MONGODB |
| * INFORMATION | JSON,XML |
| * APPLICATION SERVERS * OTHER * VERSION CONTROL * DOCUMENTATION * METHODOLOGY * OS | TOMCAT, MAMP,IIS,NODE JS  PROJECT,VISIO  TFS,GIT  CMMI  SCRUM,AGILE  IOS,OS,WINDOWS,ANDROID,LINUX |

**CERTIFICATIONS**

| Microsoft POWERAPPS  COURSE MS900T01A\_MICROSOFT365\_FUNDAMENTALS  COURSE\_20778C ANALYZING\_DATA\_POWER\_BI  COURSE\_AI\_900T00A\_MICROSOFT\_AZURE\_ARTIFICALINTELIGENCE FUNDAMENTALS  COURSE\_DP900T00A MICROSOFT AZURE DATA  Microsoft OneDrive  Microsoft Outlook  Microsoft TEAMS  PL-900T00\_PowerPlatforms  Microsoft XAMARIN  Reporting Services  Scrum DIPLOMA  CMMI  **BUSINESS ENGLISH**  CEFR B1**,** CEFR B2 LONDON UNITED KINGDOM | 2022  2020  2020  2020  2021  2021  2021  2021  2020  2022  2014  2017  2022  2014  2011-2014 |
| --- | --- |

**EDUCATION**

Northern University MONTERREY NUEVO LEÓN MX 1997-2002

INDUSTRIAL AND SYSTEMS ENGINEERING

LSC LONDON STUDY CENTRE STANTON LONDON UNITED KINGDOM 2011-2014

BUSINESS ENGLISH

# WORK Experience

**ISITA | MOBILE DEVELOPER | REMOTE SEP 2023 – Current**

Android | iOS | Flutter developer

as a Flutter Developer Dart

**Responsibilities:**

* Implemented the application UI and developed reusable custom widgets to speed up application development
* Created a custom widgets library and integrated into the application for common UI widgets, providing proper documentation on how to use them
* Integrated third-party libraries to interact with the back-end API
* Implemented custom packages for common features like messaging, audio, and video calls
* Integrated animations for the application UI and widgets
* Integrated custom common login feature with Facebook,Google and Firebase
* Designed dynamic and complex functionality and developed the application using getX
* Handling of widgets state properly to work with background data updates
* Implemented functionality using best practices and Flutter dev community guidelines
* Using Clean Architecture and MVC patterns

as Android Developer Jetpack Compose (1 year experience)

* Created a custom components library and integrated into new applications, providing proper documentation on how to use them
* API client using retrofit | Gson | Coroutines
* Biometric auth
* ROOM database for offline data
* Firebase for push notifications,Analytics and social network auth
* Navigation module with Navigation Component + jetpack compose
* Unit Testing
* MVVM | Live data | Flows

Projects:

Utility base app for internal use, not published yet

* Internal utility app displaying time sheet for internal use in the company
* Using Kotlin and Jetpack Compose for UI
* Room for offline data
* Hilt for Dependency Injection
* Internal Rest API using JWS
* MVVM based in Clean Architecture
* Biometric auth
* Firebase for push notifications and Login with social media

because the app is for internal use i shared the basics modules for educational purpose and future apps

modules i have created listed in this github in different branches <https://github.com/fcomart/jetpack>

* Migration of XML views into Composers
* we used the new navigation component for navigation replacing fragments

as iOS Developer

* Created a custom components library and integrated into new applications, providing proper documentation on how to use them, we used the MVVM design patterns, SwiftUI and Clean arch concepts
* API client using Combine | Async and Await pattern
* Biometric auth
* Swiftdata for persistence
* Firebase for push notifications,Analytics and social network auth
* Unit Testing and UI Testing for general use cases

in all of our projects we used git for version control and GitHub for cloud management branches and PR

check out my portfolio: **https://rungr4vity.github.io/portfolio/**

**Environment:** SWIFT UI, KOTLIN, DART, FLUTTER,POSTMAN,GIT,GITHUB,FIGMA, XCODE, ANDROID STUDIO 17

**ACTIVE TEK | MOBILE DEVELOPER | JERSEY CITY NJ USA FEB 2023 – Current**

Worked on parallel projects, developed new features/enhancements on some of the existing IOS and Android app. Some of them included but not limited to are below –

* Developed features to track strategy information, project management, and reports for the administrator.
* IOS app that keeps track of weather information using Openmap service.
* IOS app using swift data making it easy to persist data.
* Working in and Augmented Reality displaying information.
* Working in Vision OS for spatial computing

**IOS:** Swift - SwiftUI - Combine - GCD - Swift Data - Core Data -Bluetooth Low Energy - Unit Test (UI and View Model Testing) - Actors and A sync and await - MVVM pattern - Protocol Oriented Programming - Augmented Reality - Firebase - Traditional Dependency Injection pattern.

**Android:** Android 11 - Kotlin - Jetpack - Coroutines - Retrofit - MVVM - Firebase - Live Data - View Binding - Task Manager - Services - Unit Testing JUnit for ViewModel - Dependency Injection with Dagger and Hilt

**Security and general:** Certificates / JSON web tokens, python scripts and kernel Linux for testing endpoints and information, GIT

**CERREY, | MOBILE DEVELOPER | MONTERREY MEXICO DEC 2015 – Jan 2023**

**Description:** Cerrey SA de CV is one of the main manufacturers of steam generators in America which includes design, manufacturing, installation, start-up, and maintenance of shop assembled, site erected and heat recovery boilers. Responsibilities are leading an electronic invoicing development team for large, medium, and small clients on web and mobile devices.

**Responsibilities:**

* Create a new IOS / Android app that helps keep track of strategy information, project management, and reports for the administrator.
* Agreed of the use of Agile-Scrum methodology for the whole process
* MVVM and MVC design pattern was implemented to improve reusability, performance, and maintenance on IOS mobile development.
* Mobile Notifications using Send SMS, Email or Mobile Notifications
* Prototypes for final customers on Android and IOS.
* Two-steps authentication via Email and SMS using AZURE AD
* Role as Data base administrator (DBA) understanding and managing the overall database environment.
* Implemented a REST API back-end service using Net Core, MVC and Node JS.
* Role as a Project manager in planning, executing, monitoring, controlling, and closing projects.
* Testing mobile apps with Junit and IOS Frameworks applying design patters as dependency injection. Instead of DI you can separate the logic of a business-method into a data-gathering-part (that is not unit-testable) and a calculation part that can be unit-tested.
* Mobile applications programmed with Kotlin/Android for Android and Swift for IOS.
* SWIFTUI used for new IOS apps and UKIT used support on actual IOS developments.
* Developed app integration with REST / SOAP and other APIs for Google Maps, social media logins, payment processors, and other services.

**Environment:** iOS 13-5, Swift 5.0 - 5.3, Android 11, C#, Visual Basic, MVC 4.0, JavaScript, Visual Studio2022, Visual Code, Nodejs, Firebase, Reporting Services, Crystal Reports, Bootstrap, Html5, JS Data Tables, React, PHP, Google API, Google SDK, SQL Server, Report Manager Microsoft

**CERREY, FULLSTACK DEVELOPER | MONTERREY MEXICO JUL 2013 – DEC 2015**

**Description:** Cerrey SA de CV is one of the main manufacturers of steam generators in America which includes design, manufacturing, installation, start-up, and maintenance of shop assembled, site erected and heat recovery boilers. Responsibilities are to support existing applications, design, and development of new applications on mobile and web devices.

**Responsibilities:**

* Full stack web developer responsible for end-to-end web app development and creative cloud engineering. Led three teams of five employees each.
* Responsible for developing and supporting Reporting Services Reports using SQL server.
* Project Management using agile methodologies.
* Leading a development team responsible for creating and supporting new web applications.
* The plan, engineering, reviews, and the whole process was through Agile-Scrum methodology.
* Create native applications that help keep track of information and reports for customers.
* Improved and Migrate (upgrade) Customer Relationship Management (CRM) software named EPICOR.

**Environment:** .NET framework v1-2, HTML 3.0-4.0, SQL Server 2005, IIS 5.0-6.0, Microsoft Excel 97-2003,Reporting Services, Crystal Reports, Android Studio, EPICOR

**GURACORP AIDA, MOBILE DEVELOPER| MONTERREY MEXICO/LONDON UK/SEVILLA SPAIN AUG 2012 – AUG 2013**

Description: Guracorp AIDA is a marketing company located in Monterrey Mexico. They assist companies with the planning, design, and execution phases of their marketing activities. Responsibilities include developing and testing a marketing app that uses geolocation fences to alert customers about new offers and events in LONDON UK and SEVILLA Spain.

**Responsibilities:**

* Developed an android marketing geofencing application to display the geolocations using the GPS data. Application uses the Location Manager and Location Listener provided by android SDK and IOS Maps to track different locations based on the distance travelled. The app received over +1,000 downloads.
* Created and developed a real digital street museum gallery that uses geolocation to alert people about street art or local galleries, including local restaurants and local shops.
* Experienced in publishing mobile apps on Google play and Apple Store.
* Android Studio and Xcode were used for native mobile development.
* Sent SMS messages to client for offers and notifications using the cloud services of Google Firebase
* Full IT Computer and Network Hardware Support
* Implemented a RESP API using PHP.

**Environment:** IOS 13-5, Swift 5.0 - 5.3, Android 11, C#, Visual Basic, MVC 4.0, JavaScript, Visual Code, NodeJS, Firebase, Bootstrap, Html5, JS Data Tables, ReactJS, PHP, Google API, Google SDK, SQL Server, Scrum

**CARRIER, .NET DEVELOPER | MONTERREY MEXICO NOV 2008 – AUG 2012**

**Description:** Carrier global innovation leadership in building health, healthy solutions for homes, and connected cold chain solutions. Responsibilities are to support existing and development of new web applications.

**Responsibilities:**

* Implemented a web app for material management with IMB BPCS interfaces.
* Front end implemented with HTML5, CSS and JS for a dynamic graphical user interface.
* Efficiently deployed and integrated software engineered by team and updated integration/deployment scripts to improve continuous integration practices.

**Environment:** .NET framework v1-2, HTML 3.0-4.0, SQL Server 2005, IIS 5.0-6.0, Microsoft Excel 97-2003

**FEMSA COMERCIO/HEINEKEN MX .NET DEVELOPER | MONTERREY MEXICO JAN 2008 – NOV 2008**

**Description:** Mexican multinational beverage and retail company headquartered in Monterrey, Mexico. It operates the largest independent Coca-Cola bottling group in the world and the largest convenience store chain in Mexico. Responsible for designing and developing a Trading app that involves more frequent transactions, such as the buying and selling of stocks, commodities, currency pairs, or other instruments.

**Responsibilities:**

* Design, Develop and Test a web trading application in .NET and SQL server.
* Experienced with Bloomberg and Financial transactions.
* Prototyped an average of 25 new product features per year.
* Built an ecommerce web app to manage products online. Increased company sales by 58%.
* Designed a customer web form for a delivery office.

**Environment:** .NET framework v1-2, HTML 3.0-4.0, SQL Server 2005, IIS 5.0-6.0, Microsoft Excel 97-2003

**BANORTE, FULLSTACK DEVELOPER | MONTERREY MEXICO APR 2006 – JAN 2008**

**Description:** Mexican banking and financial services holding company with headquarters in Monterrey and Mexico City. It is one of the four largest commercial banks of Mexico by assets and loans, and the largest retirement fund administrator. Responsibilities are speed and standardize all the data coming in before loading it into a data warehouse.

**Responsibilities:**

* Managed time-sensitive updates, including content changes and database upgrades.
* Collaborated on 2 Data Transformation projects ETL using SQL DTS and Informatica power Centre.
* Boosted user experience scores by 55% over company-wide previous best.
* Developed full-stack web applications, which processed, analyzed, and rendered data visually.

**Environment:** .NET framework v1-2, HTML 3.0-4.0, SQL Server 2005, IIS 5.0-6.0, Microsoft Excel 97-2003,Oracle,Informatica Power Centre Data warehouse

**HEINEKEN MX, .NET DEVELOPER (OUTSOURCING) | MONTERREY MEXICO JAN 2006 – APR 2006**

**Description:** Dutch multinational brewing company. Responsibilities are to support existing and development of new web applications.

**Responsibilities:**

* Built and support web applications for material management using .NET Framework and SQL Database.
* Efficiently deployed and integrated software engineered by team and updated integration/deployment scripts to improve continuous integration practices.

**Environment:** .NET framework v1-2, HTML 3.0-4.0, SQL Server 2005, IIS 5.0-6.0, Microsoft Excel 97-2003

**EISEI, .NET DEVELOPER | MONTERREY MEXICO JAN 2005 – JAN 2006**

**Description:** Tech firm that provides direct IT support and software development. Responsibilities are to support existing and development of new web applications and Business Intelligence ETL for data integration.

**Responsibilities:**

* Built and support financial web applications for a national bank using .NET Framework and SQL Database.
* Built and support ETL for data integration into a warehouse using SQL DTS and Informatica Power Centre IDE
* Heavy focus on full stack engineering with modules on both front and back-end processes.

**Environment:** .NET framework v1-2, HTML 3.0-4.0, SQL Server 2005, IIS 5.0-6.0, Microsoft Excel 97-2003,Oracle,Informatica Power Centre Data warehouse