

iOS ENGINEER

Results-driven iOS Engineer with years of experience developing and testing high-performance, user-centric applications for the Apple ecosystem

Proficient in Swift and SwiftUI, with expertise in building scalable, maintainable, and testable iOS applications. Strong background in XCTest/XCUITest for automated UI and unit testing, ensuring app stability and performance. Adept at integrating RESTful APIs, optimizing app performance, and implementing modern architectural patterns such as MVVM. Experienced in Agile environments, collaborating cross-functionally to deliver seamless, high-quality mobile experiences. Known for reducing development cycle times, improving code quality, and leading teams through complex technical challenges.

CORE COMPETENCIES

- | | | |
|----------------|--------------|------------|
| • CoreData | • Swift | • XCTest |
| • SwiftData | • SwiftUI | • XCUITest |
| • MapKit | • MVVM | • Appium |
| • CoreLocation | • JavaScript | • Selenium |
| • Firebase | • Python | • Cypress |

PERSONAL iOS PROJECTS

Spottr - <https://apps.apple.com/us/app/spottr-the-car-spotting-app/id6741741425>

A **social media** platform designed for car enthusiasts to discover, share, and engage with automotive sightings through a dynamic map and interactive feed.

- Designed and developed a fully functional iOS app using Swift, SwiftUI, and MapKit, integrating a real-time interactive map that allows users to spot and share unique car sightings.
- Built a scalable backend using Express.js, PostgreSQL/RDS, and AWS S3, enabling efficient data storage, secure authentication with Firebase, and seamless media uploads for user posts.
- Implemented a location-based spotting system, allowing users to pin car sightings on a live map, which resets daily at midnight EST, creating a fresh experience every day.
- Developed a custom post and feed system that displays user-generated content, supporting images, captions, likes, and comments, while dynamically updating based on user interactions.
- Integrated social engagement features, including user follows, likes, and comments, fostering a community-driven platform tailored to automotive enthusiasts.
- Engineered a robust user blocking and reporting system, ensuring platform safety by enabling users to block accounts and report objectionable content, in compliance with App Store guidelines.
- Implemented deep linking for shareable post links, allowing posts to be accessed directly within the app, enhancing user engagement and social sharing capabilities.
- Optimized API performance by structuring efficient PostgreSQL queries and indexing key tables, improving app responsiveness and reducing database query times.
- Designed and deployed a subscription model using StoreKit/RevenueCat, enabling users to remove ads via in-app purchases, creating a monetization pathway for the app.
- Ensured seamless user experience by leveraging URLSession for efficient data fetching, improving app responsiveness and reducing latency.
- Planned future AI-driven features, including automated car recognition, gamification elements, and AR-based spotting to enhance user engagement and interactivity.

Chronos - <https://github.com/igleciasjoseph/ChronosWhite>

A modern **time management** app with a built-in calendar, designed for efficient task organization and future iCloud-based collaboration.

- Developed a fully functional iOS app using Swift, SwiftUI, and CoreData, allowing users to manage tasks with an intuitive and modern interface.
- Designed and implemented a task management system, featuring task titles, descriptions, time labels, and customizable color-coded backgrounds for easy organization..
- Built a seamless scheduling experience with a calendar-based task view, enabling users to track and prioritize their daily and weekly schedules.
- Optimized performance and UI responsiveness by leveraging Combine and SwiftData, ensuring smooth data persistence and retrieval.
- Engineered a tab-based navigation system for quick access to different views, enhancing user experience and accessibility.
- Designed a visually appealing and minimalistic UI, integrating soft shadows, rounded corners, and modern typography for an elegant and user-friendly experience.

PROFESSIONAL EXPERIENCE

NOWSECURE, CHICAGO, ILLINOIS, DECEMBER 2020 TO SEPTEMBER 2024

SENIOR iOS AUTOMATION ENGINEER

- Developed 200+ test scripts for diverse mobile apps, utilizing XCUITest with Swift for iOS, Appium/ADB for Android, JavaScript/Cypress for Web Apps, Selenium WebDriverIO with Python for both platforms and utilized Charles for HTTP traffic debugging.
- Documented and analyzed complex app issues, creating comprehensive reports to facilitate cross-team collaboration and workflow improvements.
- Executed Black Box and White Box testing methodologies daily to ensure thorough evaluation of app functionality and security.
- Conducted daily End-to-End (E2E) tests on mobile applications to validate integrated components and overall system reliability.
- Proven expertise in designing and implementing scalable test automation frameworks, optimizing test data management, and writing reusable, resilient test code that improves efficiency and accelerates release cycles.
- Conducted comprehensive API and endpoint testing using Postman, validating data integrity, performance, and security, which resulted in the early identification of critical issues and a reduction in production bugs.
- Performed daily regression testing on iOS applications to ensure stability and functionality across new releases, identifying and resolving recurring issues to maintain app performance and reduce post-release defects by 30%.
- Accelerated delivery time to just 2 hours for automation scripts, boosting the chance of long-term partnership by 90%.

C2 ESSENTIALS, CHANTILLY, VIRGINIA, AUGUST 2019 TO DECEMBER 2020

SOFTWARE ENGINEER IN TEST

- Spearheaded the integration of Git for source control and Jira for project management, driving Agile methodologies that enhanced team productivity and streamlined workflow across engineering operations.
- Automated time-consuming daily tasks using Python and Flask, including developing web scrapers for the sales team, resulting in enriched prospect data, improved logging processes, and optimized task management.
- Engineered and deployed new features for a high-traffic customer application, leveraging .NET Framework 4.x and .NET Core, contributing to multiple successful, bug-free releases.
- Led the re-engineering of the front-end using ReactJS to deliver a modernized single-page application, significantly enhancing user experience and ensuring long-term support for future updates.

- Developed and maintained unit tests using Cypress to validate React product functionality, running daily tests on both staging and production environments to ensure stability and performance.
- Diagnosed and resolved critical technical issues within the customer-facing portal, leading to improved system performance and scalability for a seamless user experience.
- Integrated multiple 3rd-party APIs to automate client and employee updates across databases, streamlining workflow, reducing manual tasks, and increasing team efficiency.

EDUCATION AND CREDENTIALS

COMPUTER SCIENCE

Colorado Technical University - Coding Dojo

Immersive software development program with 1,000+ hours learning and developing web applications using Python, MERN, and C# ASP.Net Core MVC Framework

ADDITIONAL INFORMATION

Languages: English, Spanish

GitHub: www.github.com/igleaciasjoseph

LinkedIn: www.linkedin.com/in/igleaciasjoseph

Interests: Guitar/Music, Video Games, Photography/Videography and Editing, Tech, Cars