

HIAGO DIAS

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IOS SOFTWARE ENGINEER

Experienced iOS developer with 3 years of expertise in building and maintaining high-performance mobile applications downloaded by millions of users. Skilled in designing and implementing new features for the travel and hospitality industries, as well as home security and automation applications, to enhance user engagement and optimize app functionality. Proficient in Swift, SwiftUI, UIKit, Core Data, Combine, AVFoundation, and Auto Layout, with hands-on experience in integrating third-party APIs and optimizing app performance.

- Core Data and Persistent Storage • Combine and Reactive Programming • Auto Layout and Adaptive UI Design
- RESTful APIs and Networking • Debugging and Performance Optimization • App Store Deployment and Distribution
- Memory Management and ARC • Accessibility Implementation • Version Control.

Languages: Swift, Objective-c

Web Services: RESTful APIs, JSON, XML

Frameworks: UIKit, SwiftUI, Core Data, Combine, AVFoundation, Firebase, CocoaPods, XCTest, Core Graphics, Core Animation, Core Location, MapKit

Databases: MySQL, Firebase, MongoDB

Design Patterns: Singleton, MVC, MVVM, MVVM-C

SDLC: Agile, Scrum

Tools: Maven, Git, Docker, Postman, IntelliJ, Eclipse, Xcode, TestFlight, Firebase Crashlytics, Azure DevOps, GitLab, Instruments, App Store Connect, CocoaPods

Platforms: MacOS, Windows, Linux

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

COGNIZANT, Sao Paulo, Brazil • 09/2022 – 04/2024

Cognizant is a global leader in business and technology services.

iOS Software Engineer

Developed and maintained the [Carnival Cruise Lines](#) iOS app application.

- Developed ADA-compliant features for the Carnival Cruise Lines iOS app using UIKit and SwiftUI, enhancing accessibility and usability for individuals with disabilities, resulting in a 20% increase in positive user feedback from accessibility-focused reviews.
- Implemented modularization of the app architecture using CocoaPods, reducing build times and improving code reusability and maintainability across multiple app modules.
- Architected scalable features for the Carnival Cruise Lines app, including a real-time itinerary tracker and dining reservations, boosting user engagement by 25% in three months.
- Optimized app performance by refactoring legacy code and leveraging Swift's advanced features, achieving a improvement in app load times and smoother navigation for over 10 million users.
- Led the design and implementation of an MVVM architectural pattern, improving code readability and reducing defect rates during unit testing.
- Integrated advanced analytics and monitoring tools to track app usage, enabling the identification and resolution of performance bottlenecks, leading to a decrease in reported app crashes.

Technologies Used: Swift, UIKit, SwiftUI, Objective-C, CocoaPods, Firebase, Xcode, Git, Azure DevOps, Auto Layout, Combine, Core Data, Instruments, VoiceOver, TestFlight, XCTest, App Store Connect, Storyboards, Instruments.

CI&T, Campinas, Brazil • 02/2022 – 09/2022

CI&T is a global leader in driving digital transformation for large enterprises and fast-growing organizations.

iOS Software Engineer

Refactored Objective-C to SwiftUI, optimized performance, and maintained CI/CD pipelines for [Alarm app](#).

- Refactored legacy Objective-C components to SwiftUI, modernizing the app's architecture and improving code maintainability, resulting in a reduction in future development time for similar features.

- Implemented crash tracking and analysis solutions using Firebase Crashlytics, reducing app crash rates and improving overall app stability.
- Optimized performance of key app modules through targeted code reviews and enhancements, improving load times and enhancing the user experience for millions of users.
- Redesigned and maintained core functionalities to align with modern development practices, ensuring seamless integration with new iOS versions and enhancing app longevity.
- Collaborated with cross-functional teams to identify and resolve technical debt, ensuring the timely delivery of improvements without disrupting ongoing feature development.
- Led efforts to maintain and improve CI/CD pipelines using Jenkins for automated testing and deployment, reducing app delivery times and enhancing development efficiency.

Technologies Used: *Swift, UIKit, SwiftUI, Objective-C, Firebase, Xcode, Git, GitLab, XIB, Storyboards, XCTest, Crashlytics, CocoaPods, Carthage, Auto Layout, Core Data, Combine, Jenkins.*

INTERNSHIP EXPERIENCE

SPC, Sao Paulo, Brazil • 10/2020 – 12/2021

SPC stands as the preeminent authority in data intelligence and credit solutions across Latin America.

Software Engineer Intern (full-time)

Developed a scalable communication system with Java Spring Boot and React.

- Created the Campaigns system, establishing a scalable and maintainable framework for backend and frontend components, enabling seamless internal communication.
- Developed the backend infrastructure using Java and Spring Boot, employing the MVC design pattern to ensure a clear separation of concerns, enhancing performance and code maintainability.
- Integrated Spring Data JPA with MySQL, creating a comprehensive database schema to manage system data efficiently, ensuring secure and reliable data storage and retrieval.
- Built the front-end interface using JavaScript and React, delivering an intuitive and engaging user experience for employees, resulting in a 40% increase in internal communication efficiency.

Technologies Used: *HTML, CSS, JavaScript, React, Java, Spring, Spring Boot, Git, MySQL, Spring Data JPA, Postman.*

ACADEMIC PROJECTS

Universidade Paulista Unip (2023)

- **Diabetes Control:** Diabetes Control is an iOS mobile app featuring tools for tracking blood sugar, managing insulin doses, and improving diabetes management for better quality of life. Utilized Java, Spring, SpringBoot, MySQL, SpringData JPA, Swift, UIKIT, Alamofire, Xcode, CoreData.
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EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 12/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: *Web Programming, Web Application Architecture, Algorithms, Software Engineering*

Bachelor in Computer Science

Universidade Paulista Unip, Sao Paulo, Brazil (07/2023)