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IOS Developer with Swift

Study Plan





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IOS Developer with Swift – Career Path

This career path is designed for those aspiring to become proficient iOS developers using Swift. The courses included cover a comprehensive range of topics from the basics of Swift and app development to advanced iOS features like ARKit and CoreML. Participants will learn through a blend of theoretical instruction and hands-on practice, building a strong portfolio of apps and mastering the tools and techniques necessary for professional iOS development.



Duration : 3 Months (10 hours / week)



On Demand Content: 115 Hours



Workshop: 16 Hours



Lab: 3



Bi-weekly Assessments: 8



Interview Prep-course: English for Job Interviews



Key Learning Objectives

- Master the Swift programming language and essential frameworks such as UIKit and SwiftUI.
- Develop apps with advanced features like augmented reality and machine learning.
- Gain proficiency in app design, marketing, and deployment on the Apple App Store.
- Implement CI/CD pipelines to streamline the development and deployment of iOS applications.
- Understand and implement modern app architecture and persistent data storage.
- Utilize Git for version control and collaboration in team environments.

Expected Competencies and Skills

- Become capable of designing and developing sophisticated iOS applications.
- Achieve the skills to work as a freelance iOS developer or secure a position as a junior iOS developer in technology companies.
- Learn the critical aspects of app marketing and deployment to successfully launch and monetize apps.





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Content Credentials

1. iOS & Swift - The Complete iOS App Development Bootcamp

- a. Key Topics: Swift, Xcode, UIKit, SwiftUI, ARKit, CoreML, CoreData.
- b. Description: A deep dive into iOS development using Swift, where learners build a portfolio of 15 apps, mastering both foundational and advanced tools and frameworks.

2. Expert Workshop (4 Hours)

3. The Git & GitHub Bootcamp

- a. Key Topics: Git, GitHub, version control.
- b. Description: Essential skills in Git for effective version control and collaboration, including branching, merging, and handling pull requests, critical for any developer in the modern coding environment.

4. Mastering SwiftUI & MapKit: The Complete Guide

- a. Key Topics: SwiftUI, MapKit, location-based services.
- b. Description: Comprehensive guide to using SwiftUI with MapKit to develop location-based applications.

5. Expert Workshop (4 Hours)

6. Composable SwiftUI Architecture Using Redux

- a. Key Topics: SwiftUI, Redux, composable architecture.
- b. Description: Teaches the principles of composable architecture using SwiftUI and Redux, enhancing app development with modular and scalable design patterns.





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7. Unit Testing Swift Mobile App

- a. Key Topics: XCTest Framework, mock dependencies, UI testing.
- b. Description: Focuses on unit testing within Swift applications, teaching best practices for maintaining robust code through tests.

8. Expert Workshop (4 Hours)

9. Master CI/CD for iOS Developers

- a. Key Topics: Continuous Integration, Continuous Delivery, App Center, GitHub.
- b. Description: Educates on the CI/CD pipeline specifically for iOS development, enhancing efficiency in building and deploying apps.

10. Expert Workshop (4 Hours)

11. Interview Success: English for Job Interviews

- a. Key Topics: Job interview preparation, English communication skills, technical interviews.
- b. Description: Prepares learners for job interviews in English, focusing on common questions, responses using the STAR technique, and sector-specific terminology for IT professionals.

