**Rajat Kumar(he/him)**

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**SUMMARY**

8 years of Mobile application development experience focused on SwiftUI, Swift, and iOS frameworks. I played a key role in launching a Fitness App with 60,000+ users and an Instant messaging app that won BEST INVENTIONS OF 2021 - Time. I like collaborating with designers and developers to create new/existing animations to improve User experience.

**TECHNICAL SKILLS**

**Languages:** Swift, Objective-C, Python

**iOS Frameworks:**  SwiftUI, UIKit, Combine, Cocoa Touch, Networking, Auto Layout and Interface builder.

**Backend Framework:** Django REST, AWS Cognito, JSON

**IDE:** XCode, VSCode and PyCharm

**Version Control:** Git

**CI/CD:** Fastlane, Github Actions, Appcenter, Testflight, YAML, Ruby.

**Quality management:** SONARQube, SwiftLint, XCTest and XCUITest

**Databases:** Core Data, Sqlite

**Dependency management:** Cocoapods, Carthage, SPM(Swift package manager)

**PERSONAL PROJECTS**

**No Let: Squash match scoring app** Newcastle upon tyne, UKiOS

* An app for scoring singles/doubles Squash matches. Input match details, player details, and choose a wide range of t-shirt colours Also, has support for par 11 and par 15 scoring.
* Completely made in SwiftUI and has animations and custom shapes. Makes use of matchedGeometryEffect for smooth transitions.
* Uses Swift Charts SDK to display graphs of scores when the game is ended and CoreData to save the match results.
* Available on AppStore: <https://apps.apple.com/gb/app/no-let/id6473088995>

**Primary Tech Stack:** SwiftUI, Swift, CoreData, Swift Charts, Animations.

**WORK EXPERIENCE**

**hedgehog lab 06/2021 – Present**

Senior iOS DeveloperNewcastle upon tyne, UK

* Played a significant part in the team of iOS Engineers to produce and launch a Fitness App that saw over 60000 users in the first week of launch.
* Built Content discovery and scheduling UI and Networking/API layer, enhancing user engagement and experience.
* Collaborated with other iOS devs in maintaining the architecture(MVVM, Router, SOLID principles) and unit testing best practices which led to a stable production app with over 40% unit test coverage.
* Worked closely with the DevOps team and played a key role in maintaining and upgrading CI/CD pipelines which reduced the effort of deployment from each developer by 30 minutes.
* Supported the Python Backend team by adding new features and resolving issues.
* Wrote technical blog posts covering topics relating to iOS development, WWDC providing insights to peers and the developer community. Read here: <https://hedgehoglab.com/how-to-get-started-with-uicollectionviewcompositional-layout/>  
  <https://medium.com/@nsrajat/understanding-string-index-in-swift-a8c8a5229204>  
  <https://medium.com/@nsrajat/parallax-effect-swiftui-82fd3b172aa0>
* Engaged actively in Agile software development methodologies, including discovery, sprint planning, estimation, and task prioritisation leading to the production ready app 1 week prior to the deadline.

**Primary Tech Stack:** SwiftUI, Swift, async/await, Combine, MVVM, Firebase, Django, Python.

**SenecaGlobal, Inc 05/2020 – 06/2021**

Senior Software Engineer Hyderabad, India

* Successfully developed and shipped an Instant Messaging app that went on to win BEST INVENTIONS OF 2021 - Time.
* Worked with iOS, Android and Backend team and contributed to the integration of Sendbird SDK and a distinct Push notification system to allow messages to be sent even when silent mode was on.
* Worked with overseas clients by providing support for an Emergency Alerts app for multiple countries. Was heavily involved in re-architecting the app to use MVVM, unit testing and integrating SonarQube which helped in analysing code to detect bugs and security vulnerabilities.

**Primary Tech Stack:** Swift, UIKit, Objective-C, SonarQube, Push Notifications, Sendbird chat SDK, MVVM.

**hedgehog lab India 09/2017 – 05/2020**

Senior iOS Engineer Hyderabad, India

* Took the role of iOS Team lead to bridge the gap by representing the Indian iOS team of 8 members in meetings, communicating status, risks and priorities with the corresponding team in the UK. Helped in hiring mobile developers, conducting one-to-one meetings and mentoring other developers.
* Support, Bug fixes, Unit Testing for an iPadOS Patient management and clinic booking app.
* Worked on a Travel and tourism in Swift and a UK Pharmaceutical agency app in Swift and Objective-C. Learned CI/CD process setup using Gitlab Pipelines and Fastlane.

**Primary Tech Stack:** Swift, Objective-C.

**Code Brew Labs 06/2015 – 09/2017**

iOS Developer Chandigarh, India

* Wrote my first iOS Application in Objective-C and went on to do a variety of client projects and deploying them manually to AppStore. Learned Swift and played a major part in guiding Graduate developers in iOS Development.

**EDUCATION**

**Maharishi Markandeshwar Engineering College 06/2015**

Bachelor of Technology: Computer Science and Engineering Ambala, India