Shreya Singh

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SUMMARY OF QUALIFICATIONS

- Accomplished **Full Stack Mobile Developer** with over **4+ years of experience** in end-to-end application development, **specializing in iOS** and proficient in React Native, Flutter, and Android development.
- **Solid and varied understanding** of **iOS framework** components and their respective lifecycles.
- **Strong grasp** of software engineering fundamentals, including **application lifecycles**, **run loops**, **memory management**, **multithreading**, **networking**, remote and local storage, security best practices etc.
- Expert understanding of **SwiftUI and UIKit** and their quirks.
- **Skilled** in developing content-rich applications with custom interactions, animations, and transitions.
- **Strong ability** to develop clean and reliable **iOS App** and **Systems architectures**.
- **Excellent communication skills**, with the ability to articulate complex ideas and opinions.

WORK EXPERIENCE

BRIVO | Software Engineer | May 2022 – Aug 2022
iOS Developer Intern |

- Implemented E2E **analytics** with **Amplitude** for the Brivo Mobile Pass app, resulting in improved user insights and a 25 percent increase in user engagement.
- Successfully executed the migration of dependencies from **CocoaPods** to **Swift Package Manager** for the entire application, optimizing efficiency and streamlining development processes.
- Increased code coverage for the app by 20 percent through the addition of unit test cases, ensuring code reliability and reducing the occurrence of bugs. Improved performance and the quality of the user experience by fixing bugs and reorganizing code for enabling reuse using Generics.

QUINBAY TECHNOLOGIES PVT. LTD | Software Development Engineer | June 2018 – Aug 2021
Tiket.com - iOS Developer |

- Collaborated as part of the mobile app development team for tiket.com.
- Leveraged **SwiftUI**'s built-in animation support with animation modifiers and with animation to create smooth transitions between different views and screens. Implemented custom animations for interactions, such as liking a design shot or switching between tabs.
- Addressed a bug related to the NavigationView stack where certain view states were not correctly popped off when navigating back. Implemented custom navigation handling via onReceive modifiers to ensure a smooth and reliable user experience.
- Resolved a parsing issue when handling complex **JSON** responses from Tiket's API.
- Implemented **Codable protocols** and custom decoding strategies to ensure accurate and efficient data extraction.
- Worked on the migration of the app's architecture from **MVC** to **MVVM**, improving code maintainability and scalability, and reducing development time for new features by 30 percent.
- Implemented many core frameworks and APIs provided by Apple and other developers such as **URL Session** for their respective purposes.
- Improve the speed and functionality of the application. Leveraged built-in and external libraries such as **GCD** for managing concurrency, multithreading, and asynchronous actions.

Garasi.id - Back-end Developer

- Worked for Garasi.id as a part of 2 people search backend team, designed and implemented **Elastic Search** for their different modules from scratch using the **Laravel** framework. Developed and maintained Search APIs from scratch using Elastic Search.
- Single-handedly developed and maintained the Garasi.id Career site, streamlining the process of fetching and sending job vacancies and applications to a third-party HR portal. This improved the recruitment process and saved time for both applicants and hiring managers.
- Worked on revamping an entire core module. Responsible for changes on the database level to controllers and dependencies.
- Wrote **RESTful APIs** using Laravel. Wrote database migration scripts in Laravel framework using **Eloquent** and also created and maintained databases as per requirements.

SKILLS

Languages: Swift, Java, Python, PHP
Framework: UIKit, SwiftUI, MVVM, SpringBoot, MVC, VIPER
Technology: Git, Xcode, TestFlight, Crashlytics, Figma, Sketch, CharlesProxy, JMeter, ELK, Appium
Backend: Firebase, GraphQL, MySQL, Elastic Search, ELK, SpringBoot, Redis, Kubernetes, MongoDB, PostgreSQL, AWS

EDUCATION

New York University   NY, NY | Sep 2021-May 2023
MS Computer Science
Teacher Assistant (TA): Java and Web design; Operating Systems; Distributed Systems **Coursework: Human Computer Interaction**; Operating Systems; Foundations of Data Science; **Information Visualisation**; Artificial Intelligence; Programming Languages; **Design and Analysis of Algorithms**; **Application Security**; Cloud Computing; Data Engineering