

Shreya Singh

iamshreyasingh20@gmail.com | 1-5168067379 | [linkedin/shreya-singh-a96a37100/](https://www.linkedin.com/in/shreya-singh-a96a37100/) | [github/shreya20singh](https://github.com/shreya20singh)

SUMMARY

Results-driven software engineer with 3 years of experience in software development. Proficient in Swift, Java and Python, with a strong focus on designing and implementing efficient algorithms and data structures to optimize application performance. Skilled in application development using Swift and UIKit.

WORK EXPERIENCE

BRIVO | SOFTWARE ENGINEER - IOS DEVELOPER

| May 2022 – Aug 2022

- Implemented E2E **analytics** with **Amplitude** for the Brivo Mobile Pass app, resulting in improved user insights and a 25 percent increase in user engagement.
- Implemented features like Forced Updates and Optional app update, enhancing app functionality and providing users with greater control over their experience.
- Successfully executed the migration of dependencies from **CocoaPods** to **Swift Package Manager** for the entire application, optimizing efficiency and streamlining development processes. Maintained, added new features, fixed bugs, and re-architected the framework used in all magazine apps, resulting in improved stability and performance.
- 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 TIKET.COM - IOS DEVELOPER

| June 2018 – Aug 2021

- 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.
- Single-handedly developed and maintained on Garasi.id Career site which is used to fetch and send job vacancies and applications to a third-party HR portal. Unit testing with PHPUnit.
- Wrote **RESTful APIs** using Laravel. Wrote database migration scripts in Laravel framework using **Eloquent** and also created and maintained databases as per requirements.
- Worked on Google Tag Manager and Google Analytics integration that helped in the visualization of key metrics.

SKILLS

Languages: Swift, Java, Python, PHP

Framework: UIKit, SwiftUI, SpringBoot, Elastic Search, MVVM, Boot, Spring, Hibernate

Technology: Git, Xcode, TestFlight, Crashlytics, Figma, Sketch, Selenium, JMeter, ELK (Elasticsearch, Logstash, and Kibana), Appium

Web Development: MySQL, Elastic Search, ELK, SpringBoot, Redis, Kubernetes, MongoDB, PostgreSQL, Selenium, 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