

# NIKHIL SHANKAR CHIRAKKAL SIVASANKARAN

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[LinkedIn](#) | [Portfolio](#) | [LeetCode](#)

## Professional Summary

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Senior Android Developer with 8 years of experience developing, refactoring and optimizing Android apps, Android libraries in Ad-tech and Fintech software domains. Played crucial roles in developing android libraries and Fintech App respectively at two early stage startups which scaled exponentially, of which the latter gained Unicorn status eventually in 2023.

## Professional Experience

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### Software Development Engineer 3 - Android

Slice, Fintech

Nov 2022 - Feb 2024

Bengaluru, India

- Designed core architecture for the UPI payment system using Clean Architecture and MVI, serving 1.5 million users per day as of Feb 2024.
- Analyzed, profiled, and reduced network latency by ~18-20%, resulting in faster transaction completion time across the fintech app.
- Ensured quality of deliverables by mentoring Junior developers, doing extensive code reviews and walkthroughs and by helping to adhere to best coding practices.
- Optimized CI/CD settings in AWS Codebuild and Gradle files to reduce build times by 40% and cost by a huge 70%
- Adopted unit tests for modules under the UPI project, achieving 90% code coverage.
- Designed a library to create statistical graphs in Jetpack Compose seamlessly and refactored code to achieve minimal re-compositions.

### Software Development Engineer 2 - Android

Slice, Fintech

Nov 2020 - Nov 2022

Bengaluru, India

- Designed and architected chat feature by integrating socket io at client side and helped architect websocket apis at backend for seamless realtime data transfer
- Developed a social media feature module as an MVP in 3 weeks to be integrated into the fintech app for A/B testing
- Designed an emoji-shower library making it easier for different teams to integrate confetti and emoji animations and reduced memory consumption by 95% by reusing image vectors
- Refactored existing fragments in the codebase thereby increasing UI performance by forcing reuse of already inflated layouts

### Fullstack Developer iOS, Backend

GreedyGame, Ad-Tech

Sep 2015 - Oct 2019

Bengaluru, India

- Initiated development of the iOS plugin from scratch as a personal project by learning swift and iOS app development which was later incorporated as a separate product line in the organization attracting iOS app and game development companies into the business.
- Integrated Jenkins CI/CD pipeline for automating artifact creation thereby reducing previous manual effort of 2-3 hours

### Senior Developer | Android

GreedyGame, Ad-Tech

Sep 2015 - Apr 2018

Bengaluru, India

- Developed core Android library, which other developers can integrate to show native ads, focusing on optimization and performance thereby reducing memory consumption and library conflicts

- Refactored a single monolithic codebase into multiple modules following facade, adapter, mediator design patterns, and more, applying good coding standards, reducing development time and cross team conflicts.
- Integrated Admob, Mopub and Facebook Ads and wrote wrappers for Unity Game Engine and Cocos-2dx using JNI, C#, and C++, facilitating the Android library to inject ads into games and apps thereby increasing compatible dev environment by 4x

## Technical Skills

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**Languages:** Kotlin, Java, Python, Dart, Swift

**Platforms:** Android Studio, Firebase, AWS, IntelliJ, VSCode

**Skills:** Modular code using MVVM MVI and Clean Architecture, Multi Module App Design, Complex UI Development using Compose, UI Optimizations, Design patterns, Code Reviews, Performance profiling, Google Play Store Management, Mentoring Junior Developers

**Frameworks:** Android SDK, Jetpack Compose, Retrofit, Coroutines, Dagger, Hilt, Room, JUnit, Material Components, Jetpack Libraries

**Tools:** Git, AS Profiler, Debugger, Github Actions, Jira, Postman, Network Profiler

**Database:** SQLite, Firebase Firestore, MySQL, MongoDB

## Education

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### Post-Graduate Diploma

Applied Artificial Intelligence & Machine Learning | Cloud Dev-Ops  
Conestoga College, Waterloo

Sep 2024 - Dec 2025

Waterloo, Ontario, Canada

### Master of Technology

Software Engineering  
CUSAT, Kerala, India

Aug 2012 - Apr 2014

Cochin, Kerala, India

### Bachelor of Technology

Computer Science & Engineering  
CoET, Thalassery, India

Aug 2007 - Apr 2011

Thalassery, Kerala, India

## Personal Projects

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**Fan Fight Club** - An android repository that can be used to generate multiple apps by using python scripts. Fan Fight Club Messi vs Ronaldo was one such app out of around 10 that were created which garnered 2 lakh installs with more than 200 ratings averaged at 4.7/5 stars *Android, Python Scripts* | 2019 | [Link](#)

**MMDB: My Movie Database** - A social movie review android app created using TMDB api which allows users to create and share movie lists and allow users to comment, review, and like them *Android, TMDB API* | July 2020 | [Link](#)