NIKHIL SHANKAR CHIRAKKAL SIVASANKARAN

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Professional Summary

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

Software Development Engineer 3 - Android   Nov 2022 - Feb 2024
Slice, Fintech   Bengaluru, India

– Architected core UPI payment system using Clean Architecture and MVI pattern, optimizing performance for 1.5 million daily users.

– Reduced network latency by 18-20% through strategic performance profiling and optimization techniques.

– Developed modular Jetpack Compose library for statistical graphs, minimizing UI recompositions and enhancing rendering efficiency.

– Implemented comprehensive unit testing, achieving 90% code coverage for critical payment system modules.

Software Development Engineer 2 - Android   Nov 2020 - Nov 2022
Slice, Fintech   Bengaluru, India

– Designed real-time chat feature using WebSocket integration, ensuring seamless data transfer between client and backend.

– Created reusable emoji animation library, reducing memory consumption by 95% through efficient vector image management.

– Refactored existing app fragments to improve UI performance by optimizing layout inflation and reuse.

– Initiated multi-module architecture transformation, streamlining cross-team development and scalability.

Fullstack Developer iOS, Backend   Sep 2015 - Oct 2019
GreedyGame, Ad-Tech   Bengaluru, India

– Developed iOS plugin from inception, attracting new iOS app and game development clients to the organization.

– Refactored monolithic NodeJS backend to microservices architecture using Golang, improving development efficiency.

– Integrated Jenkins CI/CD pipeline, automating artifact creation and reducing manual deployment efforts.

– Created comprehensive integration documentation website to reduce client onboarding complexity.

Senior Developer | Android   Sep 2015 - Apr 2018
GreedyGame, Ad-Tech   Bengaluru, India

– Developed core Android ad integration library, optimizing performance and reducing memory conflicts for developers.

- Implemented multi-module architecture using advanced design patterns, reducing development complexity and cross-team conflicts.
- Created cross-platform ad integration wrappers for Unity and Cocos-2dx, expanding compatible development environments.
- Designed debug logging tool to accelerate issue identification, reducing QA bug reporting time by 50%.

Technical Skills

Languages: Kotlin, Java, Dart, Python, 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, Designing Framework and Libraries, Agile Planning, OOP, Design patterns, Code Reviews, Code refactoring, Performance profiling, Google Play Store Management
Frameworks: Android SDK, Jetpack Compose, Retrofit, OkHttp, Dagger, Hilt, Coroutines, Room, Material Components, Jetpack Libraries, Gradle
Tools: Git, AS Profiler, Debugger, Charles, Github Actions, Jira, Bitbucket
Database: SQLite, Firebase Realtime, Firebase Firestore, MySQL

Education

Post-Graduate Diploma   Sep 2024 - Dec 2025
Applied Artificial Intelligence & Machine Learning | Cloud Dev-Ops   Waterloo, Ontario, Canada
Conestoga College, Waterloo

Master of Technology   Aug 2012 - Apr 2014
Software Engineering   Cochin, Kerala, India
CUSAT, Kerala, India

Bachelor of Technology   Aug 2007 - Apr 2011
Computer Science & Engineering   Thalassery, Kerala, India
CoET, Thalassery, India

Personal Projects

AIngel - Android app leveraging AI and machine learning algorithms to create intelligent relationship matching experiences. *Android, AI, LLMs, Machine Learning* | Jan 2025

The Phi Factory - AR-powered furniture visualization app enabling interactive, customizable product experiences using augmented reality. *Android, Google AR Core* | Nov 2021 | Link

MMDB: My Movie Database - Social movie review platform with interactive features for creating, sharing, and engaging with movie lists and reviews. *Android, TMDB API* | July 2020 | Link