

Shubham Singh

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WORK EXPERIENCE

Software Engineer, PhonePe

June 2025 - Present

- Owned and migrated the Offers discovery platform to Feed-based architecture (**Phase 1 & 2**), driving a **24% increase** in user retention while improving scalability, reliability, and feature velocity across millions of users.
- Optimized Offers performance and UX by fixing major jank, notification jitter, pagination issues, shimmer state handling, and feed carousel stability.
- Led system reliability and quality improvements through crash fixes, API failure handling, tech debt removal, Compose metrics enablement, Sonar cleanup, and comprehensive unit testing.

Software Development Engineer, Glance (InMobi Group)

Oct. 2023 - May 2025

- Built and owned core Android platform features including **organization-level authentication** using OAuth 2.0, implementing secure token handling through native Android security mechanisms and services.
- Designed and developed modular Android SDKs for internal feature distribution using **runtime dependency injection (Koin)**, reducing SDK size to under **7 MB** while maintaining high reusability and minimal integration overhead.
- Led development of **backend-driven UI systems** using Jetpack Compose, enabling dynamic UI rendering and feature rollout without client releases.
- Integrated advanced third-party computer vision SDKs (SenseTime) to deliver real-time user-facing features such as **beauty filters, animations, and visual effects**.
- Modernized legacy codebases by migrating critical modules from Java to Kotlin, improving performance, reducing runtime errors, and enhancing long-term maintainability.
- Implemented camera and media features using **CameraX**, including Optical Image Stabilization (OIS), and built deep-link and in-app navigation flows across partner applications and notification systems.

PROJECTS

Movie Ticket Booking App - Backend

[Project Link](#)

- Designed and developed a scalable backend system inspired by **BookMyShow** to handle end-to-end movie ticket booking workflows.
- Implemented RESTful APIs for core business modules including **movies, theatres, shows, seats, bookings, and payments**, following layered architecture (Controller–Service–Repository).
- Designed relational database schema and implemented data persistence using JPA Hibernate, supporting **1000+ concurrent booking requests** with proper transaction management.
- Added input validation, exception handling, and response standardization to improve API reliability and maintainability.
- **Tech Used:** Spring Boot, REST APIs, JPA Hibernate, MySQL, Java

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University

2019-23

- **B.Tech.** (Computer Science and Engineering)

GPA: **8.71**

TECHNICAL SKILLS

Languages:	Java, Kotlin, Python, C, C++
Cloud/Database:	MySQL, Amazon AWS, Microsoft Azure
Developer Tools:	Android Studio, VS Code, IntelliJ Idea, Jupyter Notebook, Google Collab
Technology/Frameworks:	Android, Dagger, Koin, Hilt, Jetpack Compose, KMP, Ktor, Retrofit, Spring, SpringBoot
Others:	OpenGL, OOPs, Operating Systems, Data Structures and Algorithms

ACHIEVEMENTS

- Recognized as an overall **Top Voice on LinkedIn** for meaningful contributions in the form of content for my community.
- Author of a weekly LinkedIn newsletter named **The Code Report** with **4300+ subscribers**. [link to newsletter](#)
- Invited as a **hackathon judge** by multiple universities including **V.I.T.**, **Vellore** and **Kalasalingam University**.