

# Piyush Gupta

IT professional with 11.5 years of experience in Software development and delivery. Currently working as Sr Lead Engineer Mobile apps at Airtel X Labs. Looking for exciting opportunities as Senior lead or Engineering manager where I can contribute to product and organization growth.

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## EXPERIENCE

### Airtel X labs, Gurgaon, India – Senior Lead Engineer

July 2021-PRESENT

Projects worked on:

- Airtel thanks app – UPI and payment

### Walmart Inc., Bengaluru, India – Sr. Software Engineer

April 2021 - July 2021

Projects worked on:

- Sam's pharmacy digital app

### Nagarro, Gurugram, India – Staff Engineer

May 2017 – April 2021

Projects worked on:

- Nedbank retail banking application
- AstraPay digital wallet

### Capgemini Engineering, Gurugram, India— Sr. Software Engineer

April 2015 - April 2017

Projects worked on:

- IKEA Home smart (TRÅDFRI) – IoT based app

### Hughes Systique Corporation (HSC), Gurugram, India—Software Engineer

September 2013 - April 2015

Projects worked on:

- Blaupunkt custom ROM car radio system
- Phone application controller
- FuzeMe chatting application

### R Systems, Noida, India—Software Engineer

February 2012 - September 2013

Projects worked on:

## SKILLS

Android, Java, Kotlin, App Security implementations, Reactive programming, RxAndroid, RxJava, MVP, MVVM, IoT

JUnit, unit testing, Mockito, Dagger, Espresso, UiAutomator, TDD, GIT

DevOps, Jenkins, Continuous Integration and delivery (CircleCI and Hockeyapp), Microsoft visual studio App center, GitHub CI, Azure devops

JIRA, Agile, Scrum, Kanban,

Engineering management, Technical solutioning, Tableau, Kibana, Elastic search

## AWARDS and APPRECIATIONS

- 1) Working on **18 million monthly active** users in Airtel thanks app. Solutioning and ensuring smooth deliveries.
- 2) Written appreciations from clients and project directors on lines of **Thinking breakthrough**.
- 3) Monthly **cheer board nomination** at organization level multiple times.
- 4) Awarded key contributor in project.

- Asigra Google cloud backup solution
- NetSecure mobile payment gateway
- Embedded R&D – Multiple OS Porting

5) Modified kernel source code in Android porting project.

Embedded systems, Android custom ROM porting, Cloud backup solution, Mobile payment gateway are few achievements at beginning of my career.

## LANGUAGES

English, Hindi

## EDUCATION

### **GGs Indraprastha University, Delhi — *B.Tech (Electronics and Electrical Engineering)***

June 2007 - May 2011

Acquired 78% marks in the overall 4-year course of my learning as an Engineer.

### **CBSE, Delhi — *Senior Secondary and Secondary***

April 2005 - April 2007

Acquired **79%** marks in Senior secondary examination and **84%** marks in secondary examination both conducted by CBSE in years 2007 and 2005, respectively.

## Latest 3 PROJECTS

### **1) Airtel thanks app — Bharti Airtel**

Leading a team on 12 developers for Airtel UPI payment module. Enabling lightning fast transactions and smooth user experience for customers making UPI payments via Airtel Thanks app. Customers can make transactions to bank account, contacts or other UPI Ids along with scan QR.

Currently the app is live in India

[https://play.google.com/store/apps/details?id=com.myairtelapp&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.myairtelapp&hl=en_IN&gl=US)

### ***Roles and responsibilities***

To work on an app supporting 18 Million monthly transacting users. Working in capacity of Engineering manager ensuring technical solutioning along with smooth app releases. Taking product requirements and scaling them to dev stories with delivery timelines.

- Guardian of UPI on Airtel thanks app
- Co-ordinating with product owners to plan go live features and clearing out the dependencies
- Technical solutioning ensuring smooth user experience even during peak hours traffic owing to high number of daily users
- Drilling down **production errors** for end user hampering journey conversion and funnel drops

- Able to scale UPI user adoption from **5% to 35%** in Airtel thanks app in span of 1 year.
- Improved scan conversion from **30% to 90%** using Google ML scanning for QR code scanning
- Kibana, elastic search, Tableau dashboard for tracking daily error trend
- Dynamic UI ensuring availability of latest features to older app version
- A/B feature implementation using firebase

## 2) Sam's club – Pharmacy — Walmart labs

Technologies used - Android, Kotlin, MVVM, Live Data, Databinding, Junit

Sam's club app is a digital experience app available for exclusive Sam's club members only. Using this app users can login to their membership account and can shop items online and can order medicines and lab tests.

Currently the app is live in USA

[https://play.google.com/store/apps/details?id=com.rfi.sams.android&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.rfi.sams.android&hl=en_IN&gl=US)

### *Roles and responsibilities*

To work on and develop following modules/features

- Rx delivery for medicine
- Junit tests

## 3) Nedbank retail banking application— Nagarro software

Technologies used - Android, RxAndroid, Retrofit, Unit testing, Mockito, Dagger 2 for dependency injection, Integrating Circle CI for automatic build deployment and hockey app for continuous integration, Java, Kotlin, MVP

Currently this app is live in South Africa.

[https://play.google.com/store/apps/details?id=za.co.nedbank&hl=en\\_IN](https://play.google.com/store/apps/details?id=za.co.nedbank&hl=en_IN)

### *Roles and responsibilities*

- Created basic architecture of application and created core app flow using MVP clean architecture.
- Worked on basic modules like payment, user registration, buy data cards etc.

Apart from development responsibilities I am leading my front-end team of 8 people. Main responsibility includes

- Coordinating with client product owners for requirement gathering.
- Daily communication with server team and design team for requirement feasibility and solution approach.

I have worked on following distinct modules of application and have received applause and great feedback from clients.

- **Home loan chat bot - Achievements:** Successfully delivered a new feature for the bank for enabling users to apply for a home loan. This feature went live in June 2019 and has received welcoming user reviews on play store. I have also received written appreciation from onsite product owner and Nagarro product owner appreciating my technical and team lead skills.
- **eFICA (Financial Intelligence Centre Act)** – User can submit their document online and get face recognized by module I developed which will then be validated with their photo in official government records.

<https://www.nedbank.co.za/content/nedbank/desktop/gt/en/aboutus/legal/fica.html>

**Achievements:**

- Successfully delivered the electronic onboarding feature(eFICA) for the bank. This feature is a hit in the South African market and has increased new user engagement by 2.3% for the bank. I have also received written appreciation from project manager and director for being proactive and successfully delivering this feature.
- Written appreciation from onsite product owner and Nagarro product owner appreciating my technical and team lead skills.
- Written appreciation from project director on grounds of Nagarro's thinking breakthrough concept to go out of box and increase client's engagement with Nagarro

**4) IKEA Home smart (TRÅDFRI) (IoT based app) —Capgemini engineering formerly known as Aricent**

Technologies used - Android, Java, MVC, Junit, UiAutomator, COAP protocol, DTLS, PSK based security.

This app is live now in Europe and the USA market. Following links can provide relevant details about application.

- <https://play.google.com/store/apps/details?id=com.ikea.tradfri.lighting&hl=en>
- <https://www.youtube.com/watch?v=2LA9zoGDxgg>

***Roles and responsibilities***

- Writing JUnit test cases using JunitRunner along with Android UI automation test cases using Espresso library
- Handling design calls with design team for finalizing application designs
- Security implementation - Used PSK based authentication along with DTLS security for application communication with gateway.
- Localization support for various European countries

**Achievements:**

For security implementations, I was sent onsite in Sweden where I had successfully finalized the solution approach using DTLS and the same was applauded by the client.