



# Ankur Pandya

Application development lead (14 years)

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## PROFESSIONAL EXPERIENCE

Have around 14 years of experience in mobile application and game development covering client interaction, project and team management, application security, training, interviews, effort estimation, documentation, maintenance & support activities. Here's the summary of my profession journey:

**NCS Pte Ltd, Singapore** 🔗 *Senior Consultant /Android SME*

July 2021 - PRESENT

**Worktable Pte Ltd, Singapore** 🔗 *App development lead*

July 2019 - July 2021

**Independent Consultant, Ahmedabad** 🔗 *Full-stack developer*

April 2017 - July 2019

**Twist Mobile India, Indore** 🔗 *Technical Head*

Feb 2013 - April 2017

**Gameloft India, Hyderabad** 🔗 *Game Programmer*

Sep 2010 - Jan 2013

## RECENT PROJECTS

### Next Generation Ops Terrain Mapping

- Technologies: Android, ArcGIS, Kotlin, ArcGIS Runtime SDK
- Description: Developed a mobile application for SCDF (MHA) staff in Singapore to survey emergency premises data and fire hydrants. Features include displaying maps, scenes, and various layers in different orientations, with functionalities for creating, updating, deleting, and interacting with feature objects and attributes, as well as geo-analysis.
- Role: Technical Lead
- Responsibilities: Technical analysis, architecture management, conducting peer reviews, handling code deployments, app security, and managing interactions with ArcGIS portals across various environments.

## EDUCATION

**Government Engineering College, Rajkot, India**

*B.E. (Computer)*

June 2006 - July 2010

## TECHNICAL SKILLS

### Software development:

Android Application & Game Development, Android SDK development, JAVA, Kotlin, Flutter, ProGuard, Unity with Virtual Reality, C and C++, Cocos2d-x, OpenGL, J2ME, Java Script, MySQL, SQLite, ArcGIS, React Native

### Cloud/Backend integration:

OAuth2, Amazon Cognito, Aws S3, REST API, Parse SDK, Firebase, Volley, Retrofit, OKHttp

### DevOps:

Git, SVN, GitLab CI/CD, Jenkins, Playstore deployment, Appstore,

### Methodologies:

Scrum, Waterfall, Prototype, Rapid Application Development

## Trust Bank SG

- Technologies: Android, Kotlin, DAON, ForgeRock, OneSpan, SumoLogic, Snyk, MobSF, Circle CI
- Description: A digital banking application created through a partnership between Standard Chartered Bank and FairPrice Group, available on Playstore and Appstore.
- Role: Android Security Consultant
- Responsibilities: Reviewing security measures, identifying potential vulnerabilities, and suggesting security enhancements for the Android application.

## Employee Self Service Micro-app, OneNS

- Technologies: React Native, Webstorm, Visual Studio Code, Native Base SDK
- Description: Micro application for MINDEF employees to manage leaves, transport claims, and medical claims.
- Role: Tech Lead and React Native Developer
- Responsibilities: Managing development tasks, researching solutions, training, and documentation.

## A Blossoming City Garden

- Technologies: Android APK and AAR, Google Playstore
- Description: An augmented reality (AR) app created for the 10th anniversary of Gardens by the Bay.
- Role: Playstore Deployment Manager
- Responsibilities: Setting up Playstore account, uploading and managing application files, and overseeing the app's release.

## Breeze - Drive & Park

- Technologies: Android, React Native, Kotlin, Android Auto, Mapbox, Google Maps API, Firebase, AWS Amplify, RXKotlin/RXJava, Dagger, Retrofit
- Description: A navigation app for drivers in Singapore, facilitating parking and driving, available on Playstore and Appstore.
- Role: Android Application Developer and Subject Matter Expert
- Responsibilities: Leading Android development tasks, conducting research, training, and managing app deployment.

## HDB-Electronic Handheld Terminal

- Technologies: Android (Java/Kotlin), Zebra Programming Language, Zebra device SDKs, RXKotlin/RXJava, Dagger, Retrofit, SQLite
- Description: Enterprise application for Housing & Development board Singapore (HDB) to manage parking notices, advisories, vehicle

## Other:

JIRA, Adobe Photoshop, MS Office, BugZilla, Freedcamp, Postman, BurpSuite, Confluence, Asana, Braintree, Stripe, Paypal, Daon, ForgeRock, OneSpan, AWS Cognito, Firebase Auth

## LANGUAGES

English, Hindi, Gujarati

## OTHER ACTIVITIES

- Paragliding Club Pilot P3
- Istana Open House (SRC)
- Coastal Cleanup (SRC)
- Traveling
- Photography
- Scuba diving
- Games
- Creative DIYs

## ACHIEVEMENTS

- **Best Presenter Award, 2023:** Won the award for Best Presenter at an internal team event for presenting the concept project "All Spark," a tool for messaging via internet and SMS protocols.
- **NCS Spark Award Winner:** Secured the NCS Spark Award multiple times across all categories (A, E, I, O, and U), recognizing outstanding contributions and innovation.
- **Top Runner, Race Against Cancer 2021:** Achieved the distinction of being the

defects, and response cases designed for Zebra TC57 Android device.

- Role: Android Application Developer, Tech Lead, Project Manager
- Responsibilities: Understanding client requirements, integrating with existing systems, designing solutions, coding, documentation, training, deployment, and managing team logs.

## **NEXT Event - Flutter App**

- Technologies: Flutter, Android Studio, Google Sheets API, Firebase, RFID Scanner
- Description: Internal application to manage team events such as town halls, team dinners, and celebrations for my team NEXT.
- Role: Flutter Developer
- Responsibilities: Application development and integration with backend services.

## **Pingomart Shopping App**

- Technologies: Android (Java/Kotlin), iOS
- Description: E-commerce B2C application serving customers and sellers in the Philippines and Singapore. Developed separate applications for Customers, Sellers, and Delivery personnel.
- Role: Project Lead
- Responsibilities: Managed full development lifecycle for Android and iOS, including API contracts, UI design and development, payment integration, and security. Oversaw a team of 9 mobile app developers.

## **PingoPays/Speshe Digital Loyalty Wallet**

- Technologies: Android (Java/Kotlin)
- Description: A digital wallet for 8 countries including Singapore, originally known as Speshe. Developed applications for Customers, Merchants, and Agents.
- Role: Project Lead
- Responsibilities: Managed build variants, UI design and development, payment SDK development and integration, ensuring application security, and documenting various project aspects.

## **OTTO/Ride On the Go**

- Technologies: Android (Java), iOS (ObjC), Google Firebase, MongoDB, Parse SDK, Braintree, Twilio
- Description: Rideshare application for New Jersey (USA), offering flat charges for riders and various features for drivers.
- Role: Project Manager
- Responsibilities: Oversaw the development of Rider, Driver, and Admin applications, managed backend setup, UI and API development, website development, and ensured the integration of various technologies.

top runner in the Next Mobility group by completing a total distance of 113km in 7 days during the Race Against Cancer event.

- **Google Security Bounty, 2021:** Awarded a maximum bounty of \$500 by Google for identifying and submitting critical security issues affecting the Android OS.
- **Rider of Justice, 2017:** Honored as 'Rider of Justice' by the District Legal Services Authority (DLSA)-Jabalpur for the 'Nyay Sankalp Yatra' initiative.
- **Mediation Awareness Rider, 2016:** Recognized as a 'Mediation Awareness Rider' by the Mediation team of the High Court of India in July 2016 for promoting mediation awareness.
- **Hackathon Finalist, 2016:** Project 'Happy.ly' was selected as a finalist from Indore in the 'Mobile 10x' Hackathon organized in June 2016, showcasing innovative mobile applications.
- **Photography Awards:** Received over 90 awards in the Viewbug community, highlighting exceptional talent and creativity in photography.

## TMStore

- Technologies: Android (Java), iOS (ObjC), WooCommerce, PHP
- Description: Created a native Android and iOS app synced with an existing WooCommerce store.
- Role: Senior Developer and Team Leader
- Responsibilities: Developed architecture, managed API integrations, and synchronized data between app and website databases. Expanded project team to seven members.

## MTV Nescafe Lab

- Technologies: Unity 3D, Google Cardboard VR
- Description: Virtual Reality project to display the top 5 videos monthly from the MTV show 'Nescafe Lab'.
- Role: Unity Developer
- Responsibilities: Single-handedly managed 3D modeling, physics, textures, lighting, and video playback within the VR environment.

More projects on: <https://www.ankurpandya.info>