

RUTHVIK RAVI

Software Engineer - Android

Boston, MA | 617-634-4911 | ravi.ru@northeastern.edu | [Website](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

Northeastern University, Boston, MA | GPA - 3.843
Master of Science, Software Engineering Systems

Expected Aug 2025

Visvesvaraya Technological University, Mysore, India
Bachelor of Engineering, Computer Science and Engineering

September 2020

WORK EXPERIENCE

Network Science Institute, Northeastern University Pvt. Ltd, Boston
Software Engineer Mobile App Co-op - *Android (Research)*

June 2023 - Present

- Led data collection on the NIO Android app by developing parsers that leverage accessibility services, to collect data from popular social media applications
- Improved app architecture and resolved state related crashes by introducing Viewmodels as state holders, enabling a unidirectional data flow
- Resolved UX issues by redesigning the UI for onboarding workflow and, creating and integrating reusable material design components - [Figma](#)
- Reduced database crashes by 19.1% by leading migration from SQLite Database to standard Room Database, leading to less boilerplate code and better asynchronous querying with the help of Coroutines and Flows

Mutual Mobile Solutions Pvt. Ltd, Hyderabad, India
Associate Software Engineer - *Android, Flutter*

June 2022 - August 2023

- Rebranded an Android application using atomic design methodology to build a design system consisting of reusable Jetpack Compose components, leading to a highly maintainable and scalable code with a consistent user experience
- Modernized an Android project by migrating Java codebase with MVC architecture to utilize Kotlin & MVVM architecture with a 75% test coverage, resulting in a smaller, maintainable & structured codebase
- Developed reservation flow for a flutter car rental application using hybrid Clean-MVVM architecture and integrated GraphQL APIs, while also ensuring correctness by adding unit tests using Mockito

SpurTree Technologies Pvt. Ltd, Bangalore, India
Software Engineer - *React Native, Android*

October 2021 - June 2022

- Singlehandedly developed enhancements, managed deployments, and rapidly fixed bugs in 3 Android applications generating additional income in revenue for SpurTree Tech - [Jotun](#), [Avian paints](#), [GSK](#)
- Improved user experience by reducing onboarding time by developing Social login and Single sign-on features in a React Native app using Twitter, Facebook, and Okta SDKs - [Bira](#)
- Amplified app reach in 9 middle eastern countries by supporting localization and handling API integration for each country

Junior Software Engineer - *React Native*

October 2020 - September 2021

- Reduced code duplication for card transactions, card management, & reward features in multiple screens by engineering reusable components in React Native with Typescript & Redux - [Petron](#)
- Led project development efforts in a React Native project by actively developing, introducing localization support for English and Arabic, and streamlining state management by using Redux - [Active Club](#)
- Facilitated structured customer service by integrating a chatbot using native bridges for Android and iOS in a React native app - [Bira](#)

SKILLS

- Android development: Jetpack Compose, Coroutines & Flows, Dagger hilt, Clean architecture, MVVM, Retrofit, Room Database, Unit & UI Testing, XML, Mockito, Espresso, Navigation, JSON, Architectural components
- Language Skills: Kotlin, Python, Data Structures, Algorithms, Java, Design patterns, Object Oriented Programming
- Backend Development: Ktor, MongoDB, JSON, REST APIs, Exposed, Basic Auth, Authorization
- Other skills - Flutter, React Native, React, Git, Agile, UX/UI, Figma, Prototyping, Firebase
- Softskills - Problem solving, Analytical thinking, Communication, Project management, Technical Leadership, Collaboration
- Certifications - Associate Android Developer (Google) - [Kotlin](#), [Java](#)

PROJECTS

Eatsy - [Case study](#)

- Food centric social media app for Android platform with multi-module architecture following clean architecture
- Developed a design system with UI components using Jetpack compose and used Material library to build Eatsy's typography, color scheme and shapes

Starbucks Compose - [GitHub](#)

- Assembled architecture with Clean architecture, MVVM & integrated Dagger hilt for Dependency Injection ensuring strong adherence to modern practices in Android
- Employed Room Database for efficient data persistence and leveraged Kotlin coroutines and Flows for seamless handling of asynchronous tasks with Jetpack Compose UI toolkit