

Ketan Gupta

Software Development Engineer

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TECHNICAL SKILLS

Languages: Kotlin, Java

Android Development: Android SDK, Retrofit, Room, Glide, Firebase, Dagger2/Hilt, Jetpack compose

EMV: Contact/Contactless card integration, EMV specifications, Payment Cryptography, Dukpt, EMV L2 Certification

Testing Frameworks: Appium, LambdaTest, JUnit, Mockito, Mockk, PowerMock

Others: Git, ReactJS

EXPERIENCE

Paytm

July 2022 - Present

Software Development Engineer

- Developed and Launched a new POS device for accepting card payments with a team of 4.
- Built the feature to accept tip, which resulted in increase of 100cr GMV.
- Developed EMI functionalities for Credit/Debit cards on POS devices.
- Resolved crashes resulting in a cash-free rate of 99%, thereby enhancing user experience and app stability.
- Reduced manual testing efforts by developing automation test suites using Appium.

Software Development Engineer Intern

Jan 2022 - June 2022

- Wrote unit tests with JUnit, MockK, and Mockito, ensuring robust code and increasing test coverage.
- Optimized payment application by reducing UI frame freeze.

Rakuten

Apr 2021 - Oct 2021

Software Development Engineer Intern

Remote

- Written Automation Suite using **Appium** for testing Rakuten's Payment app.
- Developed the no-code platform for generating automation test cases for mobile apps.
- Tech stack: ReactJS, Appium, DeviceFarms- Kobiton/Browserstack

Loadexx

Nov 2022 - Jan 2021

Developer

Remote

- Developed client and driver Android application for an On-Demand e-vehicle booking platform.
- Implemented Google Maps, Push Notifications and **Auth** using Firebase.
- Implemented Razorpay and YBANQ Payment Gateway.
- Migrating Firebase-Function(backend) to node js and Maintaining the Android App.
- Deployed Server on Digital Ocean using **nginx, pm2, mysql**.

PROJECTS

PC-Remote | [Github](#) | *Android, C, X11*

- Control Mouse and Keyboard from your android phone.
- Established connection between android and computer via **TCP / UDP Socket**.
- Implemented Mouse TrackPad, Left Click, Right Click, Horizontal and Vertical Scroll, forward button, back button.

Music Player | [Github](#) | *Android*

- Playing playlist or single track through Foreground Service.
- Pause/Play and Next/Previous Song by Notification using **Broadcast Receiver, Pending Intent** for interaction
- Data Persistence for resuming last played playlist on next launch
- Playback control - next/prev song, seek control through UI implemented Light/Dark Theme.

EDUCATION

ABV-IIITM

Gwalior, India

Integrated B.Tech and M.Tech Information Technology CGPA: 7.3

2017 - 2022

ACHIEVEMENTS

Smart India Hackathon'20

Winner SIH'20 Hardware Track among 450 participating teams.