Ketan Gupta

Software Development Engineer

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TECHNICAL SKILLS

Languages: Kotlin, Java
Android Development: Android SDK, Retrofit, Room, Coroutine, RxJava, Dagger2/Hilt
EMV: Contact/Contactless card integration, EMV, Payment Cryptography(DUKPT), EMV L2 Certification
Testing Frameworks: Appium, LambdaTest, jUnit, Mockito, Mockk, PowerMock
Others: Jetpack Compose, Git, Firebase, ADB Platform

EXPERIENCE

Paytm   July 2022 - Present
Software Development Engineer
- Developed payments application for android based POS device for accepting card payments.
- Built the feature to accept tip while doing payment, designed settings page and tip options as suggestion.
- Developed EMI functionalities - selecting from various EMI options available based on credit/debit card.
- Resolved crashes resulting in a crash-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*
- Developed a no-code platform for generating automation test cases for mobile apps.
- Written Automation Suite using Appium for testing Rakuten's Payment app.
- 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.