Yash Verma

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EDUCATION

Indian Institute of Information Technology, Lucknow Lucknow
*B.Tech in Information Technology; **CG-PA: 8.32/10*** *Apr. 2020 – Apr. 2024*

EXPERIENCE

0chain ☍ Cupertino, CA (Remote)
Android Engineer *Feb 2022 – Present*

- **Tech Stack**: Kotlin, Java, Gradle, AndroidSDK, Retrofit, Room, Dagger/Hilt, Golang.
- **XML**: Converted the **fig-ma wire frames** to high quality XML layouts and used **Gosdk** to write back end code in **java** for them.
- **Database migration**: Migrated from **Realm** to **Room** database which decreased the app size by **5MB**.
- **Bash Scripting** : Added a pre-commit hook for the code-base to run es lint checks and typescript checks which reduced the lint and type errors by **100%** in the codebase.
- Handled both the android apps of the organization made consistent releases and also made numerous features from scratch.

Google Summer of Code Oppia Foundation link ☍ Remote
Gsoc Student *Aug 2021 – Sept 2022*

- **Tech Stack**: Kotlin, GitHub Actions, JUnit, UIAutomator, Gradle, Bazel, Starlark, AndroidSDK
- **Technical Design Docs ☍**: Designed and architect-ed the whole **CI/CD** architecture for the builds.
- **Release Automation**: Automated **signing**, **building**, **testing** and **uploading** to Google Play along with automated cherry-picks.
- **Gradle,Bazel**: Helped in build system migration from **Gradle** to **Bazel** which increases build speeds by **10x**.
- **Tablet Support**: Added support for tablet devices in the app which increased the user base by **20%**.
- **TDD(Test Driven Development)**: Written **70+** Unit Tests, **20+** Instrumentation and End-to-end tests in **Espresso**, **Robolectric** and **UIAutomator** with **JUnit** as test runner for Android.

Gnome Foundation ☍ Remote
Open Source Contributor *Sept 2021 – Feb 2022*

- **Tech Stack**: C, XML, GTK+
- **GTK4**: Added a new feature in the path bar of **Nautilus ☍** file manager to open folders and files with other applications seamlessly.
- **XML**: Made the wire frame and program of the new button with XML.

PROJECTS

- **Festify ☍**: Hackathon and event management **Android** app with **NodeJs** Back-end link ☍ and **MongoDB database.**

- **What's App Clone ☍**: Peer to Peer and group chat Android App with thread-based model and equipped with Google and email authentication.

- **Video-Chatting ☍**: Android app made with **jitsi-meet-api ☍** also deployed a custom scalable video server on Ubuntu VM along with setting up **Nginx** server and **TLS** layer to make it secure.

TECHNICAL SKILLS

- **Programming Languages**: : Java, Kotlin, Python, JavaScript, C, C++, SQL, bash, Golang

- **Technologies/Frameworks**: : Linux, AndroidSDK, Dagger/Hilt, Android Jetpack, NodeJS, Docker, Google Cloud, GitHub actions, CI/CD pipelines, Express, MongoDB, Realm, Git, MySQL, Firebase, Gradle, Bazel, JSON, Regex

- **Coursework**: Data Structures & Algorithms, Operating System, System Design, DBMS, Object Oriented Programming, Distributed Systems, Software Management, Design Patterns.