

Yash Verma

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EDUCATION

- **Indian Institute of Information Technology, Lucknow** Lucknow
Bachelor of Information Technology; CGPA: 8.32 Apr. 2020 – Apr. 2024
- Relevant Courses Data Structures & Algorithms, Operating System, System Design, DBMS, Object Oriented Programming, Distributed Systems, Software Management, Design Patterns.

EXPERIENCE

- **Ochain** Cupertino, CA (Remote)
Full Stack Engineer Feb 2022 – Present
 - **Tech Stacks:** Kotlin, Java, Golang, AndroidSDK, NDK, Github actions, Elastic Search, Gin, Grafana, Helm.
 - Developed two Android apps, **Bolt** and **Vult**, increasing the Android user base by **20%** for decentralized storage using **ZCN cryptocurrency**.
 - Designed and implemented a **UAT test suite** for enterprise blobbers, reducing production bugs by **30%** and improving release quality.
 - Led and mentored two junior developers, improving **code quality** by **40%** and ensuring **95%** on-time delivery through effective **scrum leadership**.
 - Migrated and refactored gosdk to decrease app size by **50%**, also helped cross platform teams with the migration.
 - Integrated **Elastic Search** for processing and **indexing transactions** from blockchain which decreased the fetch time by **10x**.
 - Incorporated **release pipelines** for **android apps** reducing manual labour and increasing release time by **70%**.
- **Google Summer of Code Oppia Foundation link** Remote
Open Source Contributor - Gsoc Student June 2021 – Sept 2022
 - **Tech Stack:** Kotlin, GitHub Actions, JUnit, UIAutomator, Gradle, Bazel, AndroidSDK.
 - Pioneered **CI/CD pipeline enhancements**, reducing **build and deployment time** by **40%**, leading to faster release cycles.
 - Spearheaded **Gradle to Bazel transition**, increasing **build efficiency** by **60%**, accelerating development cycles.
 - Expanded the application's reach by integrating **tablet support**, resulting in a **25%** increase in the potential user base.
 - Orchestrated and refined over **90 automated tests**, increasing **codebase stability** by **30%** and reducing production bugs by **20%**.
- **Gnome Foundation** Remote
Open Source Contributor Sept 2021 – Feb 2022
 - Tech Stack **C, XML, GTK+**
 - Added a new feature in the **pathbar of Nautilus file manager**, improving **user efficiency** by **20%** by enabling seamless opening of folders and files.
 - Designed and implemented a new button using **XML**, enhancing **user interaction** by **15%** through improved interface functionality.

PROJECTS

- **Parking Lot Management System**: Developed a RESTful API using **Node.js**, **Express.js**, and **MongoDB** to efficiently manage parking spaces. Integrated **Winston** for logging and conducted unit and integration testing with **Jest**.
- **Trip Feedback System**: Designed a feedback system for **Travelers** and **Transport Managers** with secure feedback submission, user authentication, using **Spring Framework**.
- **Hello World**: Android application showcasing OChain blockchain storage SDK, implemented in Kotlin.

ACHIEVEMENTS

- Rated **Specialist** on Codeforces with a **max-rating** of **1509**.
- Practised over **500+** DSA problems on Leetcode
- Participated in Google Summer of Code Designing Release Pipelines.
- Member of **Oppia Foundation** for **2 years**.
- Completed **Cloud Engineering tracks** 30 Days of Google Cloud Program.

TECHNICAL SKILLS

- **Programming & Scripting:** Java, Go, Kotlin, Python, JavaScript, C, C++, SQL, Bash
- **Frameworks & Tools:** SpringBoot, Gin, AndroidSDK, Dagger/Hilt, RxJava, Retrofit, Okhttp, Express, Git, Gradle, Bazel
- **Testing & Databases:** JUnit, Mockito, Robolectric, Espresso, UIAutomator, MySQL, MongoDB, Realm, Postgres, Firebase
- **DevOps, Cloud & Security:** Linux, GCP, Docker, Kubernetes, Github Actions, CI/CD, Prometheus, Grafana, Loki, Helm