

# Yash Verma

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## SUMMARY

Experienced Full Stack Developer with a strong background in developing backend and optimizing scalable android apps, fault-tolerant systems. Proficient in Go, Java, Python, and Kotlin with extensive experience in CI/CD, database management, and cloud-based solutions. Passionate about crafting efficient and reliable software solutions, with a proven track record in delivering high-quality projects within dynamic, fast-paced environments.

## 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

- **0chain** Cupertino, CA (Remote)  
*Full Stack Engineer* Feb 2022 – Present
  - **Tech Stacks: Kotlin, Java, Golang, AndroidSDK, NDK, Github actions.**
  - 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**.
- **Google Summer of Code Oppia Foundation** 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, and real-time system performance tracking.
- **Festify**: Hackathon and event management multi-module Android app with NodeJs backend and MongoDB database.
- **Hello World**: Android application showcasing 0Chain blockchain storage SDK, implemented in Kotlin.
- **Automated Window Manager**: A CLI tool to automate window management in Linux.
- **My Resume**: Automated deployment of resume updates using GitHub Actions and GCP to Google Drive.

## TECHNICAL SKILLS

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