

Yash Verma

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SUMMARY

Experienced Back End Developer with a strong background in developing and optimizing scalable, fault-tolerant systems. Proficient in 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

- **Ochain** [Ochain](#) 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** [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** [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** [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** [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** [Festify](#): Hackathon and event management multi-module Android app with NodeJs backend and MongoDB database.
- **Hello World** [Hello World](#): Android application showcasing OChain blockchain storage SDK, implemented in Kotlin.
- **Automated Window Manager** [Automated Window Manager](#): A CLI tool to automate window management in Linux.
- **Backup System Ubuntu** [Backup System Ubuntu](#): A bash script to back up apt, snap, and other config files.
- **GUI-Automator** [GUI-Automator](#): Python script for downloading, sorting, and extracting files from Google Drive.
- **My Resume** [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