

# Yash Sinha

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## Skills

- **Programming Languages:** C++ | Java | Typescript
- **Technologies:** Spring boot | Kafka | Elastic-Search | Node.js | MYSQL | GraphQL | REST APIs | Git | GitHub
- **Concept:** Data Structures & Algorithms | Object-Oriented Programming | Event-Driven Architecture

## Experience

### Software Engineer-I

#### AppDirect

Pune, MH, IN 08/2024 - Current

- Built & Optimized **GraphQL & REST APIs**: Developed scalable **Java**, and **Spring Boot** services, enhancing integration and reducing the response time of GraphQL by 40%.
- Implemented **Search Ranking** Enhancements. Applied **Elasticsearch** queries leveraging **rank feature** and **script\_score** to optimize **product search** rankings and improve search relevance by 30%.
- Integrated **Kafka** for Event-Driven Architecture, Migrated event processing from **PubSub** to **Kafka** for improved scalability and performance in custom attribute event management.
- Built **GraphQL**-based Marketplace-Product removal, integrated a workflow for removing products from the marketplace, and streamlined administrative operations.
- Upgraded build and deployment pipelines in a couple of services, upgraded to Gradle 8.8, resolving dependency conflicts and improved CI/CD stability.

### Software Engineer Intern

#### AppDirect

Pune, MH, IN 02/2024 - 08/2024

- Optimized **JPA Query** Performance: Refactored complex **JDBC queries** to **Spring Data JPA** specifications, reducing query latency and database joins.
- Enhanced Data Synchronization: Configured and maintained **Debezium** connectors for real-time data capture.
- Increased Test Coverage & Code Quality: Enforced **unit** and **integration** tests, raising code coverage from 70% to **90%**.

### Software Development Intern (Demo)

#### Digilytics Systems

Pune, MH, IN 07/2023 - 12/2023

- Designed and built a **dynamic survey** application for **personalized** forms with diverse question types using the latest technologies of **React.js**, **Firebase**, **Material UI**, and **Apache E-Charts**.
- Implemented a unique URL feature to enhance respondent participation in published survey forms.
- Created an admin interface to monitor response metrics and download responses in CSV format easily.

## Education

### Bachelor of Technology

#### MIT World Peace University

Pune, MH, IN 07/2020 - 07/2024

- Major in Computer Science Engineering - [9.14 CGPA](#)

## Projects

### Sociopedia | React.Js, NodeJs, ExpressJs, MongoDB, REST API | ([View Project](#)) ([Live Demo](#))

- Programmed a social media initiative with strong **authentication and authorization** functionalities.
- Configured precise **privacy controls**, enabling users to manage post visibility and likes.
- Designed for children, ensuring an ad-free feed to enhance user experience.

### CryptoApp | React.Js, ChakraUI, Firebase | ([View Project](#)) ([Live Demo](#))

- Facilitated users in tracking cryptocurrency exchanges, coins, and their **real-time performance**.
- Leveraged accurate data from the **CoinGecko API** for all information.
- Enabled seamless user communication via the Contact Us page, **integrating the Firebase database** to store messages in Firestore.

## Mentorship

- **Open Source Contributor** [Real Dev Squad](#): Addressed user authentication issues, crafted website components, and authored unit test cases for enhanced functionality. 02/2023 - 06/2023
- **Freelance** for [TechLearn.live](#): As a mentor, I guided students in understanding emerging technologies and advancements in AI and ML, while also developing a carousel for social media posts to inform them about upcoming sessions on these topics. 05/2021 - 08/2021

## Others

- **Gold Award:** [Ideathon Winner](#) which was organised by MIT-WPU.
- **Silver Award:** [Rorathon Runner-Up](#) which was organised by Sharekhan.
- Solved a total of more than 200 [LeetCode](#) questions.