

# Udit Singh

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## Experience

### FICO (Fair Isaac Corporation)

July 2024 – Present

Software Engineering, Engineer I – Java, Spring Boot, Microservices, MySQL, AWS

Bangalore, India

- Designed and implemented **Restful APIs** for the 'Origination' module ensuring robust functionality and flexibility.
- Optimized API performance by tuning **SQL** queries, achieving a 10-15% reduction in response time (50-100ms).
- Implemented background job processing using **Core Java** and Quartz Scheduler to ensure efficient and reliable execution of tasks and integration with external components.
- Optimized critical credit risk analysis endpoints, achieving a reduction in response times of 75-100ms. This resulted in improved transaction processing efficiency and a more responsive user experience.
- Developed UI components using **Angular**, **JavaScript**, and **jQuery**, enhancing responsiveness across devices.

### FICO (Fair Isaac Corporation)

Mar 2022 – June 2024

Software Engineering, Associate – Java, Angular, Kafka, AWS

Bangalore, India

- Refactored legacy monolithic applications into microservices, improving scalability and maintainability.
- Implemented data validation and transformation logic to ensure data integrity for credit scoring models.
- Developed dynamic **Angular** components with lazy loading using route-based module splitting to optimize load time and improve the performance of a credit decisioning dashboard.
- Built automated data ingestion pipelines using **Apache Kafka** with **Java Spring**, enabling real-time, reliable data streaming. Integrated with **AWS** services to ensure scalability and reduce manual intervention.
- Wrote unit and integration tests for both backend and frontend codebases to ensure system reliability.

### Ataraxis Technologies LLP

Jan 2021 – May 2021

Software Developer Intern – Java, Kotlin, Android

Mumbai, India

- Implemented multi-threaded processing using **Java Concurrency APIs** to optimize real-time video/audio streaming, reducing end-to-end latency by 50% and significantly enhancing call stability and user engagement.
- Refactored application architecture to the **MVVM** pattern with LiveData and ViewModel, resulting in improved UI responsiveness, reduced backend load, and a jump in App Store rating from 3.8 to 4.5 stars.
- Improved server response times by 30% through query optimization, caching strategies, and API payload refinement.

## Projects

### Bloggng Back-end Application | Java, Spring Boot, Spring Security, Hibernate, MySQL, Postman

Github

- Empowered users to create posts with specified categories, manage their posts and view their own posts.
- Applied **pagination**, **searching**, and **sorting** functionalities with informative messaging for post retrieval.
- Built role-specific APIs for admin and normal users and added **JWT authentication** for securing APIs.

### ACM Application – Event Registration & Management | Flutter, Dart, Java, Kotlin, Firebase

PlayStore & AppStore

- Built a cross-platform event management app using **Flutter** with real-time updates powered by **Firebase**.
- Worked on **Kotlin/Java** to integrate core Android services like secure login, background sync, and push notifications.

## Technical Skills

**Programming Languages:** Java, C++, JavaScript, TypeScript, HTML, CSS, SQL, Python, Kotlin, Dart

**Frameworks and Libraries:** Spring Boot, Hibernate, Spring MVC, Angular, NgRx, Microservices, jQuery, React, Flutter

**Tools and Technologies:** Git, Jenkins, Docker, Kubernetes, Kafka, Swagger, JUnit, MySQL, AWS (EC2, S3)

## Achievements

- FICO - Extraordinary Impact Award** – Recognized by the CEO for delivering high-impact solutions.
- Top 10<sup>th</sup> Global Rank** in GSSOC'21 – Recognized for impactful open-source contributions.
- Competitive Programming** – Solved **1,000+** problems on CodeChef/LeetCode on Data Structures & Algorithms.

## Education

Chitkara Institute of Engineering and Technology – Chandigarh, India  
**Bachelor of Computer Science and Engineering (CSE)**

2019 - 2023  
**CGPA : 9.65**