

Udit Singh

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WORK EXPERIENCE

Software Engineering, Engineer I

Fair Isaac Corporation (FICO), Bengaluru, India

May 2024 - Present

- Developed UI components using **Angular**, **JavaScript**, and **jQuery**, enhancing responsiveness across devices.
- 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.
- Implemented a microservices architecture for real-time credit risk analysis using **Java**, **Spring Boot**, and **Kafka**.
- Enhanced Java/Spring Boot microservices security with hardening measures and secure coding practices.
- 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 an event-driven API framework using **Hermes** and implemented **CI/CD** pipelines with **Jenkins**.

Software Engineering, Associate

Fair Isaac Corporation (FICO), Bengaluru, India

Mar 2022 - May 2024

- Refactored legacy monolithic applications into microservices, improving scalability and maintainability.
- Implemented data validation and transformation logic to ensure data integrity for credit scoring models.
- Automated data ingestion pipelines using **Python** and **Apache Kafka**, implementing stream processing and fault-tolerant mechanisms to ensure real-time, reliable data flow while reducing manual effort.
- Developed and maintained **Angular** components for a credit decisioning dashboard, implementing lazy loading and dynamic component rendering using **ComponentFactoryResolver** for modular UI updates.
- Wrote unit and integration tests for **Java** and **Angular** code to ensure code quality and system reliability.

Software Development Intern

Ataraxis Technologies LLP, Mumbai, India

Jan 2021 - April 2021

- Optimized application performance through multi-threaded development, reducing video/audio call latency by 50% and increasing user retention by 15%.
- Revamped application architecture to MVVM, improving performance, reducing server costs, and increasing App Store ratings from 3.8 to 4.5 stars, resulting in a 20% increase in Daily Active Users (DAU).
- Worked on to optimize server response times by 30% by refining database queries, implementing caching strategies, and optimizing API payloads, improving application reliability and user satisfaction.

TECHNICAL SKILLS

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

Frameworks and Libraries: Spring Boot, Spring MVC, Hibernate, JPA, Angular, React, NgRx, Flutter

Tools and Technologies: Amazon Web Services (AWS), Git, NoSQL (MongoDB, MariaDB), Swagger, Kafka

CS Core: Data Structures & Algorithms, System Design, Object-Oriented Programming, Computer Networks

ACHIEVEMENTS

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

EDUCATION

Chitkara Institute of Engineering and Technology

Chandigarh, India

Bachelor of Computer Science and Engineering | CGPA: 9.75/10

2019 - 2023

PROJECTS

- ACM Application** – Event Registration & Management (*Flutter, Dart, Java, Kotlin, Firebase*)
Developed a full-stack app with secure OTP login and real-time updates. Used Flutter/Dart for UI and Kotlin/Java for Core Android services. Integrated Firebase for secure logins and data sync. Available on [PlayStore](#) & [AppStore](#)

EXTRACURRICULAR ACTIVITIES

- Association for Computing Machinery** – Led Android/iOS development teams (ACM), driving POC projects focused on innovation and performance.