Jeel Tolia

Bangalore, India

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Education

Nirma University, Ahmedabad   **Jun 2023**

Bachelor of Technology in Computer Science and Engineering   *CGPA: 8.48/10*
- **Relevant Coursework**: Data Structures and Algorithms, Operating Systems and Networking, Database Systems

Experience

Goldman Sachs, Bangalore | Analyst   **Jul 2023 – Present**

Application Performance Optimization   *Aug 2024 – Present*
- Improved API loading time by **80%** through careful analysis and optimization of database bottlenecks. Implemented **indexing, query restructuring, and caching solutions** to significantly reduce data retrieval time, leading to faster page loads and enhanced user satisfaction.
- Enhanced frontend performance through **lazy loading**, reducing initial load time by **30%** and improving perceived performance.
- Optimized login and authentication flow with a new internal proxy solution, **streamlining session management** and **reducing latency** in authentication processes. This reduced login times and improved user onboarding efficiency.

Credit Review Manager   *Jan 2024 – Aug 2024*
- Contributed to the enhancement of a template enabling more accurate ICR calculations for **30k counterparties**, improving risk assessment processes, and ensuring comprehensive evaluation of counterparties' creditworthiness.
- Collaborated closely with **risk managers** to gather feedback and refine the new template, enabling better alignment with *risk management objectives* and supporting **automated onboarding** for new counterparties.
- Designed and implemented robust APIs to facilitate seamless communication between system components, enhancing user experience. Further developed an **ETL** pipeline supporting *US regulatory reporting*.

Margin Risk Management System   *Jul 2023 – Dec 2023*
- Developed a comprehensive margin risk management system that accurately calculates margin requirements for **55k financial instruments** traded by the firm's clients, such as *stocks, options, futures, and derivatives*.
- The system analyzes market data, account positions, and risk factors to determine appropriate margin levels, ensuring **regulatory compliance** and minimizing the firm's exposure to margin-related risks.

Skills

- **Programming Languages:** Java, C++, Python, C, JavaScript
- **Containerization and Orchestration:** Docker, Kubernetes
- **Backend Frameworks and Tools:** Spring Boot, PostgreSQL, MongoDB, DynamoDB, Apache Kafka, MapReduce, Mockito, Sybase IQ, Sybase ASE, Reladomo
- **Cloud and AWS Technologies:** AWS Glue, AWS Redshift, AWS S3, AWS Athena, AWS Lambda
- **Frontend Tools and Libraries:** ReactJS, Swagger API, Postman
- **Data Engineering:** Snowflake, Iceberg

Achievements and Extracurricular

- **CFA level I**: Currently preparing for the CFA level I examination.
- **Hackerrank** ⌨: Achieved 5-stars in problem-solving receiving the Basic and Intermediate Problem solver certification.
- **CodeChef** ⌨: Peak rating of 1670 (3 stars). Achieved a global rank of 427 in June Cook-Off 2021.
- **Leetcode** ⌨: Solved more than 650 problems of varying difficulties.