

GAURANG SHARMA

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🐙 [GITHUB.COM](https://github.com/gaurangsharma1930)

🌟 [LEETCODE](https://leetcode.com/gaurangsharma1930/)

Experience

Crio.Do

Nov 2022 – Nov 2023

Project Engineer

Bangalore, Karnataka

- Collaborated with the Core team to design and implement a **caching mechanism**, leading to a **35%** reduction in database calls, significantly enhancing system performance.
- Facilitated and contributed to **regular code reviews**, offering insightful feedback and ensuring adherence to coding standards and best practices, resulting in improved code quality and maintainability.
- Adhered to **Test-Driven Development (TDD)** principles by carefully developing and executing comprehensive test cases, resulting in an impressive **code coverage of 84%**.
- Received the **Technical Expert** and **Extra Mile** awards for outstanding contributions, including optimizing code design to reduce bugs and proactively identifying and addressing security vulnerabilities.

Skills: Core Java, RESTful API's, SpringBoot, Spring Data, JUnit, Mockito, Lombok, Redis, System Design, Linux, MongoDB, MySQL, Docker, AWS.

Projects

Loan Management System

| *Java, Spring Boot, Spring Security, MVCS, Swagger, Docker, Gradle*

August 2023

- Took as a coding challenge to implement application for banks to lend money to borrowers and receive payments for the loans.
- Used **SOLID Principle's** to make sure to keep application more readable, modular, testable, and extensible.
- Developed comprehensive test cases achieving an impressive code coverage of 93%.
- Implemented the **InMemory authentication** and in memory storage for the data.
- **Dockerized** the application and deployed on render, the documentation of the api can be accessed [here](#)

Meme Sharing Backend

| *Java, Spring boot, Lombok, MongoDB, Gradle*

March 2023

- Created a Backend Server using Spring template with the **REST API** handlers.
- Implemented support for **POST API** that can be used to post Memes and **GET API** that can be used to fetch the recent posts.
- Used **MongoDB** to store the Meme related fields and extract them.

Stock Portfolio Analyzer

| *Core Java, Jackson, JUnit, Mockito, Gradle*

December 2022

- Used **third party stock quote API's** to fetch the data and process it within the application as per need.
- Improved application responsiveness by introducing **Multithreading**.
- Wrote unit tests using **JUnit** and **Mockito** to measure performance improvements.

Technical Skills

Programming Languages: Java, C/C++ ,SQL

Tools: IntelliJ IDEA, Eclipse, Git, Docker, AWS EC2, Firebase, Postman

Frameworks: Spring Core, Spring Data, Spring Security, Dagger, JUnit, Mockito, Lombok

Education

Lovely Professional University

2022 – 2024 (Expected)

Master's of Computer Applications

Teerthanker Mahaveer University

2019 – 2022

Bachelor's of Computer Applications

Moradabad, UttarPradesh

Achievements / Extracurricular

- Solved over **220+ coding problems** over multiple platforms including HackerRank, CodingNinjas, GeekForGeeks, LeetCode.
- Achieved a **Perfect Score of 100** on Geektrust Machine Coding challenge which also checks for the best coding practices and OOPS.