

Gaurav Ranjan

Software Engineer

Software Developer with a comprehensive understanding of object-oriented programming and software development. Skilled in developing and implementing applications in Java using Spring boot.

✉ ranjangaurav64@gmail.com

📍 Mm residency , flat number - 401 , Nallurhalli , Whitefield, Bengaluru, India

📞 7991126804

🌐 [linkedin.com/in/gaurav-ranjan10](https://www.linkedin.com/in/gaurav-ranjan10)

EDUCATION

B.TECH

Heritage Institute of Technology

08/2016 - 05/2020

Kolkata

Courses

- Information Technology (9.23 C.G.P.A)

XII (CBSE)

Loyola High School , Patna

06/2014 - 05/2015

92%

Courses

- Science (PCM)

WORK EXPERIENCE

Software Development Engineer - 2

Upstox (RKSV Ltd.)

05/2024 - Present

Achievements/Tasks

- Worked on National Pension Scheme feature integration in upstox app.
- Documented technical specifications and project testing methods for future reference.
- Used tools like REDIS , kafka to process and do faster operations.

Software Development Engineer - 1

Upstox (RKSV Ltd.)

06/2022 - 04/2024

Bengaluru

Achievements/Tasks

- Developed an application using Java and Spring Boot to automate certain processes for a large financial services organization.
- Used tools like REDIS , kafka , grpc to process and do faster operations.
- Worked on various features like bulk limit fetch for client codes etc, and helped risk management team to minimise the amount of loss as much as possible.
- Worked with websockets in java for live data streaming.

System Engineer

Tata Consultancy Service

08/2020 - 06/2022

Bengaluru

Achievements/Tasks

- Optimized existing Java applications to reduce response times by 30%.
- Developed a Java-based web application that increased user productivity by 20%.

SKILLS

Algorithm and Data Structures

Java

Spring Boot

Database Management System

API Integration

AWS (Beginner)

Best Practices and Standards

REDIS

Kafka

PROJECTS

Audit Service For Aadhaar

- Designed audit service for aadhaar using cassandra and spring boot
- Made full use of Java 8 Streams API to make the code readable
- Wrote junit test cases for the applications
- Worked on review comments to improve code quality , expandability and extensibility.

ECMP Project

- Worked on ecmp project for aadhaar for enrolling clients to aadhaar.
- Improved the existing code so as to provide better performance.
- Suggested various ways to implement new feature and provide good experience to user.

Risk Management Tool (Upstox)

- Worked on tool to provide risk management for upstox.
- Integrated websockets for live streaming of data.
- Integrated various API's and grpc to service.
- Introduced API key to provide securing to the backend service
- Implemented rate limiting using token bucket algorithm so as to provide throttling on number of calls to API.

National Pension Scheme (NPS)

- Worked on feature called NPS (National Pension Scheme) to provide users with investing in NPS scheme.
- Created service called NPS service for integration of 3rd party for fetching customers data from 3rd party.
- Integrated 3rd party library for fetching various details like NAV , return details and stored effectively in database .
- Worked on providing security to public exposed API for using spring security and JWT tokens.
- Worked on complex logics to fetch data from database effectively with minimum delays.

LANGUAGES

ENGLISH

Full Professional Proficiency

Hindi

Full Professional Proficiency