

# Soumen Manna

Software Development Engineer — Java — Spring Boot — Backend Developer

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## Professional Summary

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- Software Development Engineer with hands-on experience in backend development, API design, and distributed databases. Proven ability to develop and optimize high-performance systems using Java, Spring Boot, and YugabyteDB. Currently driving core backend enhancements at Trustt (formerly Novopay).

## Experience

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### Trustt (formerly Novopay) - SDE Intern

Feb 2024 - Sep 2024

- Optimized database queries using indexing and performance tuning, reducing average response times.
- Implemented database query optimization using indexing and debugging to enhance performance.
- Contributed to requirement gathering, documentation, coding, and log analysis for debugging and issue resolution.

### Trustt (formerly Novopay) - Software Development Engineer I

Oct 2024 - Present

- Engineered a Spring Boot Employee Management System enabling efficient CRUD operations with validation and dynamic filtering, reducing manual data processing
- Designed and implemented Role and Permission Management modules for dynamic access control, improving system security.
- Worked with distributed databases (YugabyteDB) ensuring data consistency and performance under high load.

## Skills

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- **Languages:** Java, C, SQL
- **Web Frameworks:** Spring Boot, Spring Security, Hibernate, Spring Data JPA
- **Databases:** MySQL, YugabyteDB, Oracle
- **Tools:** GitHub, Git, Apache Kafka, Elasticsearch, Kibana, IntelliJ IDEA, Postman, DBeaver, Swagger, Jenkins
- **Coursework:** Data Structures and Algorithms, Operating Systems, OOPS, DBMS
- **Soft Skills:** Communication, adaptability, empathy, leadership, teamwork, conflict resolution, creativity, emotional intelligence

## Projects

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### Employee Management System ([GitHub](#))

Feb 2024

- Built Spring Boot-based Employee Management System implementing CRUD operations and user management.
- Followed standard SDLC practices: requirement gathering, ER modeling, and modular coding.
- Implemented RESTful API flow using Controller, Service, DAO; tested using Postman.
- **Tech Stack:** Java, Spring Boot, MySQL, Swagger, IntelliJ IDEA, Postman

### Background Generator ([GitHub](#))

Nov 2023

- Created a dynamic background generator using HTML, CSS, and JavaScript.
- Supported real-time color and gradient customization for enhanced user interaction.

## Education

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### Bengal Institute of Technology

July 2020 - June 2024

*B.Tech in Computer Science and Engineering, CGPA: 8.33*

*Kolkata, India*

### Simulia Chandimata Kedarnath Vidyapith (H.S.)

Jan 2018 - March 2019

*WBCHSE, Percentage: 85.2%*

*West Bengal, India*

## Achievements

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- Solved **300+** coding problems on **Codechef** ([Profile Link](#))
- Participated in **50+** Codechef contests.
- Solved **250+** coding problems on **GeeksForGeeks** ([Profile Link](#))