

# NARESH KOSE

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## SUMMARY

Recent Computer Science graduate with experience in full-stack development using React, Node.js, Express, and Rust (Actix Web). Skilled in building scalable applications with SQL (MySQL, CockroachDB) and NoSQL (MongoDB) databases. Passionate about writing clean, maintainable code and building high-performance software in Agile methodology, collaborative environment.

## EXPERIENCE

### Software Engineer

Rapidops.Inc

Jan 2025 – Present

Ahmedabad – Onsite

- Contributed to integrating NATS-based message queues in CRM platform Salesmate to support asynchronous tasks like notifications and lead updates across microservices.
- Developed scalable backend services using Node.js and Rust (Actix Web).
- Improved system throughput and response efficiency through performance-focused contributions.

## PROJECTS

### E-Commerce Backend with RBAC, Analytics Optimization (Rust, Kafka, MySQL)

[GitHub](#)

- Built a robust e-commerce backend in **Rust (Actix Web)** implementing **Role-Based Access Control (RBAC)** for user and admin modules using JWT.
- Leveraged **MySQL** for reliable relational data storage and consistency.
- Integrated **Kafka** as a message broker for inventory updates and report triggers via scheduled cron jobs.
- Used **ClickHouse** to generate sales and inventory reports, reducing report generation latency from **130ms to 17–30ms**.
- Implemented **Redis caching**, cutting repeated API response time from **20ms to 4–5ms**.

### STUDYNOTION - EdTech Platform

[GitHub](#)

- Developed a full-stack EdTech platform using **React.js, Node.js, Express.js, and MongoDB (MERN Stack)** enabling users to create, enroll in, and manage courses.
- Improved user engagement and retention through real-time updates and seamless media handling via **Cloudinary**.
- Implemented secure and efficient authentication using JWT, bcrypt, cookies, and secret key management.

## SKILLS

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| Languages     | Java, JavaScript, Rust                                                |
| Technologies  | React.js, Node.js, Express.js, Actix Web                              |
| Databases     | MySQL, PostgreSQL, MongoDB, CockroachDB, ClickHouse, SolrDB, ScyllaDB |
| Caching/Queue | Redis, Kafka, NATS                                                    |
| Tools         | Postman, VS Code, Git, GitHub, Docker                                 |

## RELEVANT COURSEWORKS

- Operating Systems, Database Management Systems, Computer Networks
- SDLC, Clean Code Architecture, Data Structures and Algorithms, SOLID principles , OOP

## EDUCATION

Bachelor of Computer Science and Engineering, CGPA:7.8

2021 - 2025

Sagar Institute of Research and Technology