ROHIT SINGHAL

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PROFILE SUMMARY

Full Stack Developer with 2+ years of experience in React.js, Node.js, NestJS, Express.js, MongoDB, and MySQL. Proficient in JavaScript, TypeScript, and Core Java, with strong DSA and problem-solving skills. Experienced in API development, performance optimization, and SLO-based monitoring for reliability. Skilled in agile methodologies and collaborating with cross-functional teams.

EDUCATION

B.Tech in Computer Science   2019 - 2023
GLA University, Mathura UP
CGPA- 8.13

SKILLS

Programming Languages: JavaScript, TypeScript, Core Java, Python3
Web Technologies: Node.js, Nest.js, Express.js
Databases: MongoDB, MySQL
Data Structures & Algorithms (DSA): Problem-solving, Algorithm Optimization
Frontend Development: HTML, CSS, JavaScript (ES6+)
Version Control: Git, GitHub, GitLab
Tools & Software: Visual Studio Code, Postman, Elasticsearch, AWS SQS
Methodologies: Agile, Scrum

EXPERIENCE

SDE-1   Jan 2023-Mar 2025
Backend Developer | Physics Wallah Private Limited   *Noida, Uttar Pradesh*
- Developed and maintained scalable web applications using Node.js, NestJS, Express.js, MongoDB, and MySQL.
- Designed and implemented RESTful APIs, ensuring efficient database interactions and optimized query performance.
- Collaborated with frontend and backend teams to develop seamless user interfaces and ensure smooth API integration.
- Led code reviews, enforced best practices, and improved application performance by 30% through optimized queries and caching.
- Integrated payment gateways (Razorpay) and authentication systems (JWT, OAuth) for secure transactions.
- Participated in Agile sprints, daily standups, and delivered high-quality software adhering to best development practices.

PROJECTS

1. Design Requisition Web Portal
   - Developed a workflow automation system to manage design requests at Physics Wallah.
   - Built with Node.js, NestJS (backend), and MongoDB for streamlined team collaboration.

2. Test Evaluation Web Portal
   - Developed a scalable evaluation system using Nest.js, MongoDB, AWS SQS, and React.js for a seamless UI.
   - Automated data retrieval, evaluator assignments, email notifications, and real-time score updates.

3. Learning Management System Web Portal (LMS)
   - Developed a full-stack LMS platform with Node.js, NestJS, MongoDB, MySQL, and Razorpay for payments.
   - Integrated Sphere Engine for coding assessments and optimized API performance to improve user experience.