HARSH BALI

+91 7380974415 Noida, India

harshbali374@gmail.com LinkedIn Portfolio

EDUCATION

Bachelor of Computer Application, Allenhouse Business School   2020 - 2024
Coursework: Data Structures & Algorithms, Database Management, Web Development, Software Engineering

TECHNICAL SKILLS

Backend Development	Node.js, Nest.js, Express.js, REST API, Microservices,MySQL,MongoDB, Sequelize
Tools & Technologies	Socket.io, Git, Docker, AWS, Cpanel , CI/CD,
Soft Skills	Cross-functional Collaboration, Leadership, Problem-solving, Agile Methodologies

PROFESSIONAL EXPERIENCE

Backend Engineer   April 2024 - Present Sartia Global   *Noida, India*

- Engineered a high-performance GRC and SSHEQ management platform that reduced process time by 25% for high load tasks and also implemented the code from scratch written with raw queries to Sequelize ORM based code.

- Developed real-time multiplayer gaming infrastructure using Socket.io that handles 1000+ concurrent users with 99.9% uptime. Also added bots that can easily join the game if the wait time exceeds and if a player is idle or leaves the game with strong bot logic to win the game (end to end).

- Architected a robust financial management system with features comparable to QuickBooks. The system handled transactions smoothly.

- Currently working on an in house application . Used redis for frequently accessed items . Implemented the code in a microservices architecture . Implemented kafka for socket notifications and messaging services with a priority to each kind of message increasing the throughput by 30%.

Full Stack Developer   April 2023 - April 2024 Faction IT Solutions   *Kanpur, India*

- Spearheaded development of a scalable tutorial-based platform that reduced loading times by 60%(even fasted than tutorials point).

- Conducted DSA training in Java across multiple colleges, creating curriculum that increased student problem-solving skills .

KEY PROJECTS

Harmony And Help Engineered a comprehensive GRC and SSHEQ management system for the South African government with RESTful API architecture. Implemented secure document management system that improved file retrieval speed. Also implemented a deployment automated for cpanel that allows user to deploy on another cpanel using the software itself . Also integrated the adobe sign in api for automating the document signing and and retrieval

Ultrabook Developed an enterprise-grade financial accounting system with multi-tenant architecture supporting multiple organizations . Implemented complex calculation engine

Jambeera Architecting a recommendation engine using AI-based vectorization and cosine similarity algorithms with a good prediction accuracy. Also implemented a robust error handling system.

LEADERSHIP & ACHIEVEMENTS

- Led cross-functional team of 3 developers to secure 3rd place in the Xpression Hackathon, developing a mental health application that processed user data 60% faster than competitors.

- Selected as Guest Speaker for multiple college orientation programs based on technical achievements and industry insights.