

RITESH KUMAR SHIKARWAR

Noida, UP, India

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PROFESSIONAL SUMMARY

Results-driven software developer with 1.7 years of experience in Full Stack development, API creation, and system optimization. Proficient in JavaScript, SQL, NodeJS, and Redis, with a proven record of improving backend performance by 35% and optimizing API responses by 60%. Seeking challenging roles in scalable software development and efficient backend system design.

TECHNICAL SKILLS

Languages: JavaScript, SQL, C++, HTML5, TypeScript

Libraries/Frameworks: NodeJS, ReactJs, ExpressJs, MongoDB, REST APIs, JWT, Redis, KML APIs

Tools and Platforms: Redis, PM2, Docker, Postman, VS Code, Git, GitHub, JIRA, NPM, Putty

CS Fundamentals: Data Structures and Algorithms, OOPs, Database Management System, Operating Systems, Asynchronous Programming

PROFESSIONAL EXPERIENCE - 1.7 YEAR

Dvertex Info Systems

June 2023 – Present

Assistant Software Developer

Noida, UP

Project: SafaiMitra, A comprehensive waste management solution optimizing operations from collection to disposal with advanced GPS tracking, reporting, and payment processing.

- Developed and integrated advanced **GPS services** for vehicle tracking, including **path visualization**, **trip counting**, and **coverage measurement**, leveraging **SQL Server** for data storage.
- Accomplished up to a **35% backend performance improvement** by integrating **Redis** caching, reducing SQL query load, and minimizing processing overhead.
- Achieved up to a **10x increase** in concurrent request handling capacity by running the backend server across **12 CPU cores** using PM2 **cluster mode**.
- Designed and implemented comprehensive **KPI Dashboard APIs** for tracking **employee attendance**, **vehicle routes**, **trip data**, and **complaint management**.
- Enhanced API reliability and response times for **high-traffic** endpoints by resolving **150+ bugs** and fine-tuning database queries, reducing customer-reported issues by 40%.
- Automated employee identification with dynamic **PDF generation** using **pdfmake** and integrated **QR code** scanning for streamlined waste collection.

Project: SurakshaMitra, A scalable SaaS platform empowering Uttar Pradesh Police to digitize and monitor statewide patrolling activities for enhanced accountability and public safety.

- Developed and deployed robust **dashboard APIs** for real-time tracking of patrolling, QR scans, and officer reports, improving operational efficiency by **30%**.
- Engineered a secure **QR Code-based tracking system**, enforcing a **10-minute cooldown policy** to ensure meaningful patrolling at critical locations.
- Implemented **paginated data retrieval APIs**, improving response times by **60%** for seamless data analysis on officer and location activity.
- Designed an interactive map interface using **KML APIs** for visualizing QR scan locations and operational boundaries with filters for **zones**, **districts**, and **areas**.
- Secured API endpoints with **JWT-based authentication**, ensuring data privacy and compliance.

EDUCATION

MGM College Of Engineering and Technology

May 2020 – June 2024

Bachelor of Technology in Computer Science(CGPA of 7.43)

Noida, UP

Rajkiya Pratibha Vikas Vidyalaya

April 2018 – July 2020

Class 12th (PCM) - 77%

IP Extension, Delhi

ACHIEVEMENTS

- Solved over 700 questions on **LeetCode**, demonstrating expertise in data structures and algorithms.
- Ranked **158th** out of 9,000+ participants in **CodeChef's November Long Contest (Division 4)** by solving complex algorithmic challenges.
- Attained **3223rd rank** out of 17,000+ participants in **LeetCode Biweekly Contest 103** by solving 3 out of 4 problems efficiently.