

Rohan Kumar

Highly motivated Software Engineer with 2.5 years of experience specializing in Full-Stack Development using Node.js and JavaScript. Skilled at building Scalable Back-end Systems, Optimizing Database Performance, and Automating Business Workflows. Targeting to leverage skills in a challenging Full-Stack role focused on delivering high-impact data-driven solutions and improving operational efficiency.

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Profile Summary

- Currently working as a Software Engineer at Spraxa Solutions Pvt. Ltd., specializing in **Back-end Development, Real-Time Data Analytics, and Scalable System Architecture**.
- Proficient in **Node.js, JavaScript**, and **database optimization**, with hands-on experience integrating high-performance databases like **StarRocks**.
- Planned and integrated telemetry with core business datasets for strategic insights.
- Established expertise in automating complex HR and recruitment workflows, reducing manual efforts by over **80%**.
- Skilled in designing and implementing **APIs (REST and GraphQL)**, telemetry integration, and continuous integration/deployment pipelines on Linux server environments.
- Proven capability to enhance system performance and reduce API response times by up to **70%** through advanced database optimization and scalable architecture design.

Core Competencies

- Full-Stack Development
- Scalable System Architecture
- Software Development Life Cycle
- Data Analytics
- Performance Optimization
- Agile Software Development
- API Design and Integration
- User Experience Enhancement
- Database Management
- Continuous Integration and Deployment
- Server Architecture & Linux Server Management
- Cloud & DevOps Fundamentals

Technical Skills

- Programming Languages:** JavaScript, Python, Java, C# (.NET), Kotlin
- Back-end Frameworks & Platforms:** Node.js, .NET (C#), Nest.js
- Front-end Frameworks & Libraries:** React.js, Next.js, Vue.js
- Databases:** SQL, MySQL, SQL Server, MongoDB
- API & Query Languages:** GraphQL, ORM (Object-Relational Mapping)

Work Experience

Mar'23 - Present | Software Engineer | Spraxa Solutions Pvt. Ltd., Noida

Key Responsibility Areas:

- Designing and implementing scalable back-end systems primarily using **Node.js** and **JavaScript** to support real-time data analytics and enterprise-grade applications.
- Integrating telemetry with core business datasets to enable actionable strategic insights and improve data-driven decision-making.
- Developing and tracking KPIs for product performance, sales trends, and operational efficiency, driving measurable business improvements.
- Leading successful integration of **StarRocks** database to support real-time analytics and reporting capabilities with high throughput and low latency.
- Automating critical HR workflows, including dynamic offer letter generation & dispatch, reducing manual effort & accelerating recruitment processes.
- Building intelligent email parsing systems for daily employee status tracking to enhance productivity monitoring.
- Managing Linux server environments and deployment pipelines, ensuring robust and efficient CI/CD workflows.

Key Projects:

- CoolR – Data-driven & IoT Based Analytics Platform**
 - Integrated telemetry data streams with business KPIs for enhanced analytics and operational visibility.
 - Developed specialized KPIs such as the **Missed Opportunity KPI** to identify and quantify lost sales chances.
 - Created the **Back Storage Model**, a predictive inventory demand forecasting tool improving stock management accuracy.
 - Sub-Projects:**
 - Self-Serve Master Data Tool:** Simplified user onboarding via Excel-based data migration, suggestively reducing onboarding time.
 - Missed Opportunity KPI:** Developed a key metric to identify lost sales opportunities, improving sales recovery efforts.
 - Back Storage Model:** Developed a predictive model for inventory demand forecasting to optimize stock levels.
- RMS – Resource Management Software**
 - Automated offer letter generation with personalized templates and email dispatch, cutting processing time from hours to minutes.
 - Developed an email-based daily status tracking system that parses and stores employee activity reports, facilitating enhanced engagement and output monitoring.

Highlights:

- Automated recruitment communication processes, decreasing manual offer-letter preparation time from **2-3 hours to under 2 minutes**.
- Implemented database optimization techniques including multi-database clustering and query tuning, reducing API response times by approximately **70%**.
- Awarded a company certificate for **“Tackling Challenges with Confidence,”** recognizing exceptional problem-solving skills and resilience in overcoming technical obstacles.

Projects

Jikan API Wrapper (jikan-api.js)

Tech Stack: TypeScript, Node.js, Jest, NPM Publishing, JSDoc

- Developed and published a modern TypeScript wrapper library for the Jikan API (unofficial MyAnimeList API) with 100% test coverage and comprehensive type definitions.
- Implemented 40+ endpoint methods covering anime, manga, and character data with built-in error management, pagination support, and tree-shakable ES modules architecture.
- Impact: Published on NPM, enabling developers to easily integrate MyAnimeList data into applications with a robust, developer-friendly API design.

Overay – Node.js Backend for Modern E-commerce

Tech Stack: Node.js, Express.js, MongoDB, Twilio, ShipRocket, REST & GraphQL

- Engineered a secure backend system featuring multi-method authentication (Google, OTP, Email via Twilio).
- Developed Admin APIs for inventory, order, and user management.
- Integrated ShipRocket for automated logistics and shipment tracking.
- Built REST and GraphQL APIs to support scalable e-commerce operations.

lavadsp-extended – Java Audio Filter Engine

Tech Stack: Java

- Created a real-time digital audio processing engine using Java for advanced echo and multi-level reverb effects.
- Implemented float array manipulations to deliver high-quality audio filters in live audio streams.

Beat Music – Discord Music Bot

Tech Stack: Kotlin, Discord API

- Developed a scalable music bot in Kotlin to stream high-quality audio to Discord voice channels.
- Incorporated advanced audio filters and playlist management features for enhanced user experience.
- Ensured robust performance and maintainability for smooth operation in active Discord servers.

Sales MCP Server – MySQL Integration for AI Systems

Tech Stack: Node.js, TypeScript, MySQL, Model Context Protocol, Claude Integration

- Built a Model Context Protocol (MCP) server enabling AI assistants (e.g., Claude) to securely query MySQL databases for sales data through standardized interfaces.
- Implemented real-time database access, schema introspection, secure query execution, and proper authentication/error management.
- Impact: Facilitated seamless AI-powered sales analytics and reporting by bridging enterprise databases with large language models (LLMs).

Education

- BCA from IGNOU, Delhi
- 12th from Kendriya Vidyalaya, Bangalore

Certifications

- Supervised Machine Learning, Regression & Classification from Coursera
- Learning Algorithm from Coursera
- Unsupervised Learning, Recommenders, Reinforcement Learning Level 1 Machine Learning Certifications from Coursera

Personal Details

Date of Birth : 20th March 1998

Languages Known: English & Hindi

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