Saurav Kumar

Backend Engineer (Node.js, MongoDB, MySQL, Kafka, MCP Server)

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Summary

Results-oriented Senior Backend Engineer with over 6 years of experience building scalable, high-performance systems using **Node.js, Express.js, MongoDB, Kafka, and Docker**. Proven expertise in breaking down complex business requirements into backend solutions, developing robust RESTful APIs, implementing secure authentication mechanisms (**JWT/OAuth2**), and optimizing data pipelines for performance. Spearheaded large-scale migrations, improved API throughput by up to 40%, and managed production systems serving millions of users. Skilled in **CI/CD**, infrastructure monitoring, and microservice architectures, with a passion for clean code and scalable system design.

Technologies

Backend: Node.js, JavaScript (ES6+), Express.js, Kafka

DevOps / Cloud: AWS (EC2, Codepipeline, Elastic Beanstalk, S3), Nginx, PM2

Databases MongoDB, MySQL

Tools: Automation (MCP Server, n8n) WebSocket, SSE, Puppeteer

Authentication: OAuth2, JWT, LDAP

Frontend: HTML, CSS, React.js, Redux

Experience

Senior Software Engineer, Harns Technologies – Mumbai   Nov 2020 – Present

- Led the end-to-end architecture and development of **Libsi Markah**, a high-scale e-commerce platform with real-time order tracking, customer segmentation, affiliate logic, and shipment workflows;
- Recognized as **Employee of the Quarter** for driving tech leadership and ownership.
- Built affiliate systems combining tracked URLs and coupons, enabling influencer performance scoring via ROI, clicks, coupon usage, and retention.
- Developed microservices handling **2M+ users**, leveraging **Node.js, Express, MongoDB** for real-time flows.
- Migrated **3M+ active subscriber accounts** with custom scripts and zero downtime.
- Reduced deployment time by **60%** using Docker-based CI/CD pipelines and infrastructure-as-code.
- Improved database performance and API latency by **35%** through advanced indexing and dynamic query optimization.
- Achieved **99.98% uptime** in production using PM2, alerting, and AWS monitoring.
- Integrated fault-tolerant order workflows, Razorpay and wallet payments, shipping logic, AWB automation, and invoice flows.

Software Engineer, Mojito Labs – Gurgaon,   Jan 2019 – Nov 2020

- Developed resilient Kafka-based pipelines for real-time IoT data ingestion and analytics.
- Architected a custom IoT platform (TCP Kafka REST API) for smart mobility solutions.
- Developed real-time telemetry system using Kafka and Node.js handling 100K+ daily device events.

Education

Jaipur National University

- Bachelor of Technology - BTech, Computer Science