

Rohit Bhakuni

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PROFESSIONAL SUMMARY

Backend Developer with 2 years of experience building scalable APIs and services using **Node.js** and **Express.js**. Skilled in database management, performance optimization, and deploying applications with **Docker** and **AWS**. Focused on writing clean, maintainable code in fast-paced Agile teams.

PROGRAMMING SKILLS

- JavaScript, Typescript, SQL, Node.js, Express, MongoDB, MySQL, PostgreSQL, Redis, RabbitMQ, Elastic search, Aws, Docker, Git, Restful Apis

EXPERIENCE

- Debut Infotech Pvt. Ltd.** Mohali, India
July 2023 - Present
Jr. Software Developer - Full time
 - Engineered a reusable **Payment SDK** that reduced subscription module **development time by 50%** and achieved **near-zero production defects** through standardized integration logic and robust error handling.
 - Migrated search functionality from **MongoDB to Elasticsearch**, implementing advanced features like **spell correction, synonym matching, and regex queries**—boosting search performance by up to **10x** and significantly improving accuracy and user experience.
 - Developed scalable **REST APIs** using **Node.js, Express.js, and TypeScript** following **clean architecture and industry-standard backend design practices**.
 - Implemented **structured logging** and HTTP request monitoring using Winston and Morgan, enhancing **log traceability** and reducing **debugging time by 40%** in production environment.
 - Built a spaced repetition engine based on the **Leitner algorithm**, optimizing flashcard scheduling logic to improve user memory retention and reduce study time by up to **30%**.

PROJECTS

- Payment SDK**
 - Designed and developed a reusable **Payment SDK** to orchestrate complex subscription workflows including **upgrades, downgrades, cancellations, and recurring/one-time payments**.
 - Integrated the SDK across **4+ production projects**, enabling **bug-free payment flows** and reducing implementation effort through standardized interfaces.
 - Leveraged **Stripe APIs** to manage **billing cycles, proration logic, invoice generation, metadata handling, and webhook-driven event processing**.
 - Delivered **comprehensive developer onboarding support** through detailed **documentation, usage examples, and centralized error handling strategies**, accelerating integration and reducing technical debt.
- AI Poster Maker**
 - Developed an AI Poster Maker application using **microservices architecture**, enabling independent scaling and seamless deployment of modular services.
 - Implemented **Elasticsearch** to power **high-performance template search** with advanced capabilities like **full-text search, synonym matching, and spell correction**, reducing search latency and enhancing relevance.
 - Integrated **RabbitMQ** for **asynchronous task processing**, ensuring reliable inter-service communication and enabling features such as **event-driven job queues, background task execution, and delayed retries**.
 - Utilized **OpenAI APIs** to dynamically generate poster content on user-provided prompts, **enabling personalized design automation**.
 - Optimized **system throughput** by decoupling compute-heavy operations and offloading to background workers, improving performance and scalability under high user load.

EDUCATION

- Lovely Professional University** Punjab, India
Aug 2019 – May 2023
Bachelor of Technology (B. Tech)