

Vikramjeet Singh

Senior Backend Engineer



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Senior Backend Engineer with a strong track record of leading and contributing to end-to-end backend development and deployment. Adept at designing robust system architectures and ensuring seamless project execution. Proficient in Node.js, GraphQL, MongoDB, MySQL, AWS, Kafka, Elasticsearch, and Docker.

Technical Profile

- **Programming Languages:** Node.js, Express, Javascript
- **Databases:** MongoDB, MySQL, Elasticsearch, Redis
- **Cloud Services:** AWS (EC2, RDS, S3, Kinesis), AWS Cognito, AWS SQS, AWS cloudwatch
- **Messaging:** Kafka, RabbitMq
- **Containerization:** Docker
- **Web Technologies:** GraphQL
- **Payment Gateway:** Stripe, Razorpay
- **Other:** Logstash, Filebeat, Graphql, Microservices
- **Notable Achievements:** Managed 30 million records, optimized Database for efficiency, reduced AWS costs.

Work History

2023-02 - Current Senior Backend Engineer

DarioHealth, Gurgaon

- Successfully managed a database containing **30 million** records, implementing strategic optimizations to enhance database performance
- Significantly reduced query read times by **50%**, leading to more efficient data retrieval and analysis
- Successfully redesigned and decoupled critical services within system architecture, including Alarm Service, OTP Service, and Email Service, by integrating **Kafka**, distributed event streaming platform
- Integrated **AWS Cognito** for enhanced user authentication and authorization, improving security and user management
- Utilized AWS services such as **EC2, RDS, S3, and Kinesis** for data storage, processing, and hosting of IoT application.

2021-11 - 2023-02 Senior Backend Developer

Noumena

- By implementing Elasticsearch, significantly accelerated search retrieval, achieving a **3x improvement** in search speed, resulting in a more efficient and responsive user experience
- Led the development of the Calendar Microservice, optimizing scheduling and calendar-related functionalities
- Integrated Logstash and Filebeat for efficient log data collection and processing
- Utilized AWS Simple Queue Service (SQS) for seamless asynchronous event-driven updates to databases, enhancing data consistency.

2019-06 - 2021-11

Backend Developer

Recrosoft, Bengaluru

- Developed and launched "MusicPandit," educational platform for offline music courses, providing access to music education
- Designed and managed discussion forum within MusicPandit, fostering interactive community for students and instructors
- Organized and managed offline music course materials for easy access and navigation
- Integrated **Razorpay** for user subscriptions to access content.

2017-08 - 2019-05

Backend Developer

Bridging Healthcare Technologies, Chandigarh

- Implemented microservices architecture to enhance scalability, flexibility, and maintainability of the system
- Integrated Stripe payment gateway for seamless recurring payment deductions.

Education

2013-08 - 2017-08

B.E: Computer Science

Thapar University - Patiala, Punjab