

# Sahil Kumar

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## SUMMARY

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Result-driven and motivated Software Engineer with a demonstrated experience of **5 years** in improving software performance, testing and updating existing software and developing new software functionalities. Offers proven track record of extraordinary achievements, strong attention to detail, and ability to finish projects on schedule.

## EXPERIENCE

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### Lead Software Engineer

October 2023 – Present

*Fidelity Investments*

*Bengaluru*

- Developed a **Kafka** intensive system using **Spring Boot 3** to process 20 million events daily on a real time basis.
- Implemented solutions with multiple Kafka clusters, topics, partitions and availability zones to ensure low latency and minimal down time.
- Worked with **Kafka Streams** and **Stateful Kafka** to manage the interdependence among events ensuring all the events get processed without getting lost.
- Deployed a centralized monitoring environment using **Datadog** to gather data and system metrics from docker containers and sending alerts in case of issues.

### Software Engineer

September 2020 – September 2023

*Fidelity Investments*

*Bengaluru*

- Developed multiple **APIs** and **microservices** using Spring Boot framework and hosted them in **APIGEE gateway** to ensure authentication and authorization.
- Developed a **cloud based solution** to process trade files with up to 10 million rows in different formats using resources like **AWS Lambda, S3, DynamoDB, KMS, IAM roles and Secrets manager**.
- Developed infrastructure as a code using **terraform** to create and maintain AWS resources over multiple environments.

### Associate Software Engineer

August 2019 – August 2020

*Fidelity Investments*

*Chennai*

- Developed a batch processing application to process large volumes of data in distributed environment using **Spring Batch**.
- Improved the database performance by optimising multiple **SQL** queries using indexes to reduce the response time making the system faster.
- Continuously integrated and deployed software through **Jenkins** pipeline as code.

### Business Technical Analyst - Intern

May 2018 – July 2018

*Deloitte US*

*Hyderabad*

- Built Power BI reports to analyse the data using SQL, BI Publisher and Financial Reporting Studio in Oracle Cloud.

## EDUCATION

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### National Institute of Technology

Allahabad

*Bachelor of Technology — 8.21/10*

*July 2015 – May 2019*

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++

**Middleware Tools:** Kafka, Kafka Streams, Drools, Terraform

**Frameworks:** Spring Boot, Spring Batch, Node.js, JUnit

**Database:** Oracle SQL, DynamoDB

**Cloud:** Amazon Web Services (AWS)

**Developer Tools:** Kubernetes, Jenkins, Git, Docker, VS Code, IntelliJ, Eclipse

## REWARDS AND RECOGNITIONS

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- Winner of "**Fidelity Impact Award**" 2022, an organisation-wide award for delivering a critical product amidst crucial deadlines.
- Winner of "**On the Spot Award**" 2021 at Fidelity, to self-learn and train colleagues around the DevOps skills.