

# Shrestha Kumar

[shrestha94718@gmail.com](mailto:shrestha94718@gmail.com) | +91 8863816946 | <https://www.linkedin.com/shresthak98>

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## **EDUCATION**

**Indian Institute of Technology (IIT) Indore**

**July 2015 - May 2019**

B.Tech, Computer Science & Engineering

**CGPA - 9.0/10**

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## **SKILLS**

**Programming Languages:** Python, Golang, Java, C++, SQL

**Tools & Frameworks:** PySpark, Apache Spark, Rest API Programming, Prometheus, Grafana, Terraform, Spinnaker, CI/CD, Docker, Databricks, Qubole, Redis

**Database:** MySQL, PostgreSQL

**Cloud:** AWS (SQS, SNS, Lambda, EC2, RDS, CloudWatch), Kafka

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## **EXPERIENCE**

**Senior Software Development Engineer, Razorpay**

**Nov 2022 - May 2024**

- **Auto Reconciliation Tool - Python, PySpark, Hudi, MySQL, AWS**
  - Developed the MVP for the ART product and released the product to production
  - Reduced the manually effort to 1 hours from 8 hours for reconciliation of a single gateway
  - Integrated HUDI as the data management framework for recon
  - Designed the database for the migration on recon workflow on relational database from hudi
  - Added capability for auto archival of the database
  - Did complete infra setup (pods, queue, kafka) at multiple instance for the recon product
- **Batch Service - Java, AWS,**
  - Led a team of 2 developers and delivered multiple crucial projects and optimisations
  - Build the queue based architecture for the file processing
  - Managed the service oncall and development alone for more than a year.

**Software Development Engineer, Razorpay**

**Jun 2019 - Oct 2022**

- **Auto Reconciliation Tool**

- Did the complete migration of csv format to parquet format leading to 80% decrease in recon run time.
- Did complete setup of automatic file fetching of the recon files which led to decrease in manual effort by 1 hour and decrease the recon completion time by a huge margin

- **Batch Service**

- **Reverse ETL from data lake to Hubspot (marketing tool)**

- Created pipeline for capturing data from front end and backend from different products of razorpay, store it in data lake and then send to hubspot for marketing team to consume
- Build whole pipeline from scratch
- Used AWS lambda, Celery, Python and Qubole for data handling.