

# RISHABH VERMA

## Software Development Engineer

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## SUMMARY

Problem solver with experience in developing low latency, highly scalable, fault-tolerant, distributed backend services and evolving the architecture for performance and scalability. Experience of Object-Oriented Programming, Object-Oriented Design, Event Streaming, Data Structures and Algorithms, Prevalent Design Patterns, Caching, NoSQL, RDBMS.

## EXPERIENCE

### Software Development Engineer

#### Yatra Online Pvt Ltd (Yatra.com)

Jan 2020 – Ongoing Bangalore, India

Online Travel Company

- Focused on developing low latency and highly scalable distributed backend services for Yatra Hotels.
- Designed a central logger service for all external microservices metric logging. This service is made agnostic and easy to integrate with other microservices.
- Working on improving the existing Dedup content pipeline for Auto Suggest Microservice.

### Software Development Engineer

#### Delhi Integrated Multi Modal Transit System (DIMTS)

Jan 2019 – Jan 2020 New Delhi, India

Public Transit

- Designed DMRC and DIMTS Reconciliation system which reduced reconciliation time by 80% and also eliminated manual effort.
- Developed tool for automated recovery of trips and shifts corrupted due to operational issues of ETM machine.
- Redesigned ETM Challan module so that ETM machines can be moved more than once a day, thus reducing ETM Movement cost by 30%.

### Software Engineer

#### Aperta Limited

Aug 2016 – Jan 2019 Coimbatore, India

FinTech

- Developed Bank's in-house utility which interacts with Core banking system (CBS) and Cheque truncation system (CTS).
- Reduced the time by 75% to process 70,000 to 1,00,000 instruments from 16 seconds to less than 4 seconds by redesigning the algorithm.
- Developed CHM utility which reduced time by 30% to extract banking software's business rules sent from RBI and update all Nodal branch systems remotely over network.

### Software Engineering Intern

#### Defence Research and Development Organisation (D.R.D.O)

June 2015 – July 2015 New Delhi, India

- Designed a virtual reality environment to perform experiment for learning cognitive enhancement by navigation training. Results indicated that soldiers trained with survey perspective view performed at least 30% more accurate than those with route perspective.

## TECHNOLOGY



### Tech Stack

Java RestAPI's Dropwizard  
Microservices Aerospike  
MongoDb SQL-Server Kafka  
Elasticsearch Logstash Kibana



### Tools

Git Jenkins Kubernetes

## EDUCATION

### B.Tech in Computer Science

#### Sharda University

Jul 2012 – May 2016

## PROJECTS

### GestureIT

#### Sharda University

Jan 2016 – Apr 2016

gestureit.rishabhverma.in

- A gesture-based hardware control system which aims to allow the user to control a hardware device using natural gestures wirelessly.

### Slang Translator

#### Open Source

Jan 2016 – Jan 2016

github.com/rishabhverma17/sms\_slang\_translator

- Python script that takes input from user and finds any abbreviation available in it as described in text file. If found it will replace it with its corresponding phrase.