Rahul K Singh

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🎓 Education

NIT, Allahabad, Uttar Pradesh
Information Technology, May. 2014

💼 Employment history

SDE 2, Halodoc. Bangalore, Karnataka
Aug. 2020 – Present

Working with Core Platform Group , Design and developing REST API's using AWS Tech Stack .

SDE, Flipkart Internet Pvt Ltd. Bangalore, Karnataka
May. 2015 – May. 2020

Worked in Accounting Platform , which is responsible for payments and invoicing for customers and sellers .
Job Responsibilities
1) Gathering the requirements from the business
2) Design and architect the RESTful web services and platformize the same
3) Work on the Functional Specifications, Development and unit testing
4) Deployments, Alerts, Anomaly Detectors for monitoring the health of the system

Wall Street Externalisation of Financial Reports :
Project url :https://wallstreetx.flipkart.net/login
1. Designed and Architect wallstreet-ui-backend
2. Implemented multiple REST API's to provide details related to roles , privileges , authentication ,to provide file stream from S3 server .
3. Implemented Cron which Transfers Report files periodically from one FTP server to S3 server .
TechStack : Dropwizard , Java , S3, Gradle ,MySQL, JWT token,google-guice , Mockito

Scaling of MicroServices for BBD(BigBillionDay)
1. Tested MicroServices (customer payment , seller payment , invoicing service) with high load using Locust .
2. Recommended changes in multiple flows for the improvements in latency .
3. Created clusters based on the Criticality of flows so non-critical flows should not impact critical flow .
4. Implemented rate limiting at event level (POST) and client level for (GETs).
5. Recommended changes in databases (MySQL) for partitioning, Indexing (Which recovered lot of space , reduced alerts).
6. Recommenced changes to improve latency of invoice generation flow (Latency improvements on 99percentile 2 sec to 500 ms)
7. Setup alerts , dashboards to monitor system health .
TechStack: Locust ,Grafana , Nagios ,Java, Dropwizard ,Python ,MySQL .

Database Management :

🌐 Languages

Hindi

English

☰ Skills

Kafka

MySQL , HBase

Redis

REST API ,Dropwizard, MicroServices , Distributed System

AWS EC2,S3

DataStructure , Algorithms

Gradle,Maven

C, C++ ,Java

Google Guice

Locust

1. Automated MySQL Cluster creation master , slave and hot-stand-by for micro-
services architecture .
2. Setup regular backups for disaster recovery .
3. Setup alerts and dashboards for monitoring of databases .

Software Engineer, Samsung Electronics Noida. Noida, Uttar Pradesh
May. 2014 – Apr. 2015

Worked on the Development, feature implementation of the existing
Samsung Messaging Application .

Accomplishments

1. School topper in class XII
2. Ranked 7 in class XII in Aligarh District .
3. Qualified for ACM-ICPC 2012 Regionals.
4. Qualified for ACM-ICPC 2013 Regionals with Ranked 30 in India .