Rahul Kumar Singh

Software Developer



Personal Info

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Date of birth

1992-02-12

Blog

https://amiableguy.blogspot.in/

Stackoverflow

https://stackoverflow.com/users/1500 349/andy-muray

Codeforces

http://codeforces.com/profile/selfcom piler

Codefchef

https://www.codechef.com/users/self compiler

Github

https://github.com/selfcompiler

LinkedIn

https://www.linkedin.com/in/rahulsingh-78840237/



Skills

Data Structures

Algorithms

REST

Mysql

Java

Dropwizard

Operating System

Linux

C++

Experience

2020-08 - Software Development Engineer 2

present Halodoc Technologies

Working in Core Platform Group.

Job Responsibilities:

- 1. Gathering the requirements from the Product .
- 2. Prepare Tech Change Document
- 3. Work on the Functional Specifications, Development and UNIT Testing.
- 4. Code Review

Period Tracker:

- 1. Prepared Tech change document
- 2. Leaded project from Backend (Total 3 people involved)
- 3. Implemented Two services [Adonara (Backend for FrontEnd), Period Tracker (Complete Business Logic)]
- 4. Unit Test and Integration testing ,reached branch coverage 91%.

Tech Stack Used: Java, Dropwizard, MySQL, Kafka.

Go-Pay Tokenisation:

Reduce the friction while making payments via Go-pay payment mode

- 1. Prepared Tech change document
- 2. Integrated with Go-pay (external system) apis for link /unlink/getAccount flow
- 3. Made changes in payments, wallet, instrument system, order management system.
- 4. Written unit Test, supported integration testing.
- 5. Failed payment cases dropped from 30% to 7% in Go-pay payment mode.

Other Activities:

1. Take Interviews Regularly for Organisation.

2015-04 - Software Development Engineer

Flipkart Internet Pvt Ltd

2020-05

Worked in Accounting Platform Team. Accounting Platforms, comprises of large number of RESTful web services which is responsible for handling the accounting entries for all the transactions happening within Flipkart. This team is also responsible for creating invoices, making payments/receivables to/from all the external stakeholders.

Job responsibilities include

- 1) Gathering the requirements from the business.
- 2) Discuss the accounting impact with Finance, and documenting the PRD for

Google Guice

Locust

Grafana

Git

Mockito

Kafka

Redis

Linux

Accounting.

- 4) Work on the Functional Specifications, Development and UNIT Testing.
- 5) Deployments, Alerts, Anomaly Detectors for monitoring the health of the system.
- 6) Experience of working in building RESTful WebServices using Java, Dropwizard.

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 accounting, seller accounting) 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 such that 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 .

Wallstreet 2.0 (Rating)

- 1. Implemented REST WebService to calculate the different types of Service charges, Burnshare, Tax Amount, Due_dates etc
- 2. It is completely generic and config driven .
- 3. It is completely completely stateless service.
- 4. Jenkins Setup for package building and deployment.

I was involved in the adhoc enhancements of various features of the Accounting platform Wallstreet 2.0. The complete platform has many components and I have been involved in working in all components.

Database Improvements and other activities:

- 1. Setup Regular Backup of MySQL Cluster (Disaster recovery).
- 2. Setup multiple alerts to monitor the health of the system.
- 3. Slave Rebuilding
- 4. Automated cluster creation and deployment using ansible.
- 5. Created simple dashboard to reduce the on call issues significantly.

2014-06 - Software developer

2015-03 Samsung

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



2010-06 - NIT Allahabad

2014-05 B.Tech (IT)



Other Achievements

- 1. School topper in class XII
- 2. Ranked 8 in class XII in Aligarh
- 3. Ranked 24 in India in Codechef Algorithm Contest as in October 2012.
- 4. Ranked 19 in September Rush hosted by Hackerearth .
- 5. Qualified for ACM-ICPC 2012 Regionals.
- 6. Qualified for ACM-ICPC 2013 Regionals with Ranked 30 in India .