

Rajul Kukreja

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Summary

Software Developer with over 3 years in the IT industry with focus on product design and development. As part of hotels development team, my role is to constantly improve hotels product by working closely with product management and design team. Build scalable solution in fast paced delivery cycle. I have individually contributed many features to hotels product.

Highlights

- Good experience coding in Java in Linux environment
- Experience in identifying, analyzing, and fixing performance bottlenecks
- Experience in mentoring junior members

Skills

Java, Spring MVC, Redis, CouchDB , Oracle Database 11g, Tomcat, Linux

Experience

Cleartrip Pvt Ltd, Bangalore, India

Senior Software Engineer (Sep 2015 – Present)

Wipro Ltd , Bangalore, India

Software Engineer (Jul 2014 – Sept 2015)

Achievements

- Won special recognition award in Cleartrip Hackathon 2015 for “**Free Marketing on Twitter**”
- Awarded “**3rd Prize**” in WIPRO Training program.

Certifications

Cleared Oracle-Z0-051 Oracle Database 11g – SQL Fundamentals

Education

- B.Tech in Computer Science, Jaypee Institute of Information Technology, 2014 – CGPA 7.7/10
- 12th Standard - CBSE , O.S.D.A.V Public School, Kaithal, Haryana, 2010 - 71.4%
- 10th Standard - CBSE , O.S.D.A.V Public School, Kaithal, Haryana, 2010 - 91.4%

Projects

Hotel Static Content API optimisation - Cleartrip

Cleartrip Hotels static content API is 1st main API for search page but it has some problems with its architecture like when cache miss is there, cache refresh used to take 2-3 seconds for big cities and all parallel requests for same city used to wait for same.

So for 100% availability of cache, we created 2 microservices apps, 1st for serving static content and call admin service if cache reaches its soft expiry or expired time. 2nd admin service enqueue all requests and has workers who dequeue and generate static content cache.

Technologies/tools Used: Java, JESQUE, XML, JSON, Eclipse, REST

Auto Price Correction - Cleartrip

Cleartrip has an agreement with Hotels that there cannot be rate parity across OTAs – hotel cannot give a cheaper rate to other OTAs. However, there are many hotels which breach this agreement and provide cheaper rates to other OTAs.

To avoid this, we have come up with an automatic price correction engine, which does scheduled searches on OTA websites and TripAdvisor for configured cities to find out rates for hotels in these cities. If a price parity is noticed, the engine automatically updates the rate to a cheaper rate for these hotels and sends a mail to the hotel with details of price corrected and source of price parity data.

Technologies/tools Used: Java, Redis, Eclipse

3rd Party Connector integrations - Cleartrip

Cleartrip aggregates hotels from various connectors for hotels which are not part of the in-house rates and inventory management system – CHMM. Integrated the following connectors to Cleartrip System:

- Expedia
- Oyo Rooms

Technologies/tools Used: Java, XML, JSON, Eclipse, REST

Automatic Auto Sort of Hotel Ranks on SRP - Cleartrip

Ranking of hotels in the search results is an important factor which affects conversion. Designed and developed a smart algorithm for automatically sorting hotels based on user behavior and other parameters. Earlier, the ranking of hotels in results was manual, and market managers used to sort the hotels for the cities they control. We have given weights for parameters (TA ranking, Star rating, Location, Reviews, etc) and computed ranks accordingly.

Technologies/tools Used: Java, Oracle, Redis, Eclipse

Computing Traffic Sources - Cleartrip

In Hotel business Meta websites like Trivago, Tripadvisor are biggest players. Business team wants information which meta website is contributing to our traffic and bookings so that they can invest more in that website.

Technologies/tools Used: Java, Kafka , Storm , Cassandra

SearchTags for Filtering Hotels - Cleartrip

Every customer has minimum requirements while searching for a hotel like Swimming Pool , Sea view for a leisure trip or Meeting Room for a business trip. We tagged top 100 hotels of Goa and Bangalore with most common tags user expects. We evaluate expressions against different search criteria and show different set of search tags. It helped a lot in increasing user conversions in Goa.

Technologies/tools Used: Java, Oracle Database, Eclipse

Correcting Cleartrip Hotels Lat Long - Cleartrip

Cleartrip Hotels Locations was not updated but problem was that our system Hotel names were not matching with Google Hotel Names. So we used Tripadvisor APIs , Google APIs and other sources. Then we stored them and computed most recurring values and updated in our system.

Technologies/tools Used: Java, CouchDB, Oracle Database, Eclipse

Cleartrip Pay at Hotel with Credit card guarantee - Cleartrip

Hoteliers were facing losses with Pay at Hotel option as customers were not turning out and rooms getting booked. So hotels stopped providing Pay at Hotel options to us. So for some hotels we started taking credit card information at payment step as guarantee so that if customer does not turn out, we can deduct money from stored card.

Technologies/tools Used: Java, Rest , Mysql, Oracle Database, Eclipse

Blacklist Hotels Payment Options - Cleartrip

Cleartrip Hotels has payments options like Part Pay , Pay at Hotel but some hotels started complaining as its against their policy or it was bringing losses to them. So created a dashboard for business team so that they can upload hotelIds which can be blacklisted from different payment options.

Technologies/tools Used: Java, Jsp , Bootstrap, Javascript , Redis, Oracle Database, Eclipse

Automating Finding Missing Files and Triggering automated mail - Wipro

Wipro support Team for their client used to manually check every 4 hours which files are uploaded but missed over network. They manually used to match list of files uploaded and files registered in database and then manually triggering those files. I automated above problem.

Technologies/tools Used: C# , Oracle BPEL , Oracle 11g , Visual Studio