

# Jaison Raphael

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Seasoned and enthusiastic software developer lead with 7+ years' experience in working with E-Commerce web application, microservices, batch/stream processing and big data processing

## SKILLS

### Programming Language

- Java

### Databases

- MongoDB
- MySQL

### Technologies

- Spring Framework : Spring Boot, Spring Batch
- Big data : Hadoop
- Stream processing : Apache Storm
- Caches : Redis
- Search : Apache Solr
- Queues : RabbitMQ, Kafka, AWS SQS
- ETL : Pentaho
- Container : Docker
- AWS : EC2, EMR, Lambda

## EXPERIENCE

**Infosys** – *Dev Lead* (August 2021 – PRESENT)

### Projects

#### 1. YoungLiving (July 2021 – Present)

Young Living is a US based MLM company that sells essential oils and other related products. We are providing retail E-commerce End to end experience using Microservices

- Requirement gathering and Architectural design
- Development and delivery of new features in various microservices

- Developing Batch processing feeds based on Spring batch and Pentaho
- Performance profiling and optimizing microservices and Pentaho ETLs
- Perform root-cause analysis of any issues that arise post-implementation using tools like Instana, Kibana, and AWS cloudwatch and work on solutions related to fix the issue.

## 2. Bike Bandit (Feb 2020 - Jul 2020) and (Jan 2021 - Jun 2021)

Bikebandit is an online powersports superstore. We have built out the responsive react based Storefront backed by Microservices

- Requirement gathering and Architectural design of this project.
- Designing and developing batch processing pipelines based on Pentaho
- Data Migration batch jobs for the migrating following data
  - 1.5 million Order data
  - 2.8 million customer data
  - 5 million customer loyalty data
- Project estimation and delivery

## 3. Rue21

Rue21 is an American specialty retailer of casual apparel and accessories. We have provided retail E-commerce End to end experience using Microservices based web application

- Designing and developing/customizing microservices like Catalog, Search, Merchandising and Pricing.
- Designing and developing batch processing pipelines using Pentaho for migrating Rue21 data to our platform.
- Performance profiling and optimizing various microservices to meet the SLA.
- Performance tuning batch processing feeds to process 3 million users and 3.8 million order data and its related data to our system

## Skava – Dev Lead (September 2014 - August 2021)

### Projects

#### 1. Skava microservices (December 2016 - December 2019)

- Requirement gathering, Architectural design and development activities for various microservices like Catalog, Pricing, Merchandising, Feed and Search
- Leading a team of 3-5 developers to implement microservices
- Implement many platform generic and client specific ETLs
- Provide training and demos to various stakeholders
- Participate in activities related to project estimation.
- Performance profiling and optimizing
- Root cause analysis and fixing the issues raised by QA

## 2. Customer Journey Engine (Feb 2016 – Dec 2016)

Customer Journey Engine (CJE) is Machine Learning based recommendation engine which will capture activities of the user on the E-Commerce site and analyze it using Apache Spark ML & Apache Storm (custom ML algorithms) to construct analytics data. The APIs in this microservice will work based on this analytics data to provide recommendation.

- Requirement gathering, design and development activities
- Getting approvals for the design from architects and accommodating the changes provided by them.
- Developing the Apache Storm topology to process the events captured on the website
- Developing ML models using the user journey data captured using Apache Spark
- Developing web application for APIs to capture Events from website and publish to Kafka topic from where Storm topology reads to process.
- Develop APIs to provide recommendations using the analytics data created using ML models

## 3. AIMIA (Aug 2015 – Jan 2016)

For Aimia Inc we developed a web-based Loyalty platform to enhance consumer loyalty and deliver stronger yields to the businesses it serves. For this we imported multiple site data which was enormous, so we implemented a Hadoop job to import it. We ran the Hadoop job in AWS EMR cluster

- Implement Hadoop job to import client data to MongoDB
- Setup Hadoop cluster in development environment.
- Unit test the Hadoop job in dev Hadoop cluster.
- Run the Hadoop job in AWS EMR cluster in production environment.
- Provide KT to QA to test the job

## EDUCATION

### Master of Computer Application – (CGPA: 7.9)

2010 – 2013, Sri Krishna College of Engineering and Technology, Coimbatore

## AWARDS

- Heroic coding award (04/2018 - 03/2019) - Skava (An Infosys company)
- Star Performer of the year (04/2017 - 03/2018) - Skava (An Infosys company)
- Knowledge Champion (09/2017 - 11/2017) - Skava (An Infosys company)
- Top Performer of the quarter (04/2016 - 06/2016) - Skava (An Infosys company)
- Top Performer of the month (11/2016) - Skava (An Infosys company)
- Top Performer of the month (09/2015) - Skava (An Infosys company)