

RONAK SHAILESH VYAS

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Senior Software Engineer at MiQ

BTech(CSE) NIT Goa ◇ Java ◇ Microservices ◇ ReactJS ◇ Vert.x ◇ Spring ◇ Design ◇ CI/CD

EXPERIENCE

MiQ

September 2016 - Present

MiQ is a Marketing Intelligence company which helps businesses grow through Data Driven Solutions.

- **AiQx** : AiQx is the Client Facing Discovery Platform of MiQ which enables Agencies to plan Campaigns and discover Insights.
 1. Involved in designing and implementing UI and Backend Microservices from scratch.
 2. Integrated Vert.x in the existing architecture at a later stage.
 3. Worked on design and implementation of Universal Search which involves Searching and Querying on hundreds of GBs of row level data and generating reports on it using Elastic Search, Amazon Athena, Vert.x, Memcached etc.
 4. Designed and implemented CSV Download of Reports.
 5. Mentored Engineers and Interns joining the team to get them familiarized with the Product, Processes and Tech Stack.
 6. Instrumental in improvement of CI/CD pipeline using Docker, Jenkins and Kubernetes.
 7. Implemented various Developer Productivity processes like Pull Request Guidelines, Coding Conventions etc.
 8. **Tech Stack**: ReactJS, Java, Websockets, Apache Camel, Vert.x, Amazon Athena, MySQL, Jenkins, Docker, Kubernetes, Spring.
- **Jarvis** : Jarvis is the backbone application of MiQ. It is a Campaign management system which helps Traders manage their Advertising Campaigns efficiently, saving their precious time.
 1. Implemented various types of Cost Tracking on Campaigns to help Finance team with their billing.
 2. Isolated highly coupled modules into independent Microservices.
 3. Designed a Generic DSP(Demand Side Platform) Microservice which will help us scale to multiple DSPs in future.
 4. Implemented best practices like Pull Request Guidelines, Release Process, Coding Guidelines etc. which resulted in increase in faster development and stability.
 5. Organized an one day Hackathon which resulted in us implementing a new Generic DSP Microservice.
 6. **Tech Stack**: Java, Spring Boot, Kubernetes, MySQL, AngularJS
- **MiQ Explore** : MiQ Explore is an Insights Discovery tool which helps people within the company share and discover insights easily, sparing them the rework.
 1. Single handedly Designed and Implemented the complete backend of MiQ Explore. This project was not a part of Product Roadmap and was done to solve a major problem on Analysis side of business. Received appreciation from the Board for solving a daily problem without being asked.

2. **Tech Stack:** Vert.x, REST API using Vert.x, MongoDB

- **SRS** : SRS is the most widely used reporting tool for generating reports based on dimensions and metrics by the Analytics team.

1. Worked on UI and Backend enhancements.

2. Implemented streaming download from S3 to UI.

3. **Tech Stack:** ReactJS, Java, Spring, AWS SDK, MongoDB.

Unbxd

February 2016 - August 2016

Unbxd is a leading e-commerce product discovery platform that applies advanced data sciences to connect shoppers to the products they are most likely to buy, while providing predictive actionable insights for merchandising.

- Worked as a Software Engineer in the Customer Success team. Built configurable plugins for various e-commerce platforms smoothening the integration process.
- **Tech Stack:** Python, Java, MySQL, Solr, ElasticSearch.

CouponDunia

June 2014 - February 2016

CouponDunia is India's 1 Coupon and Cashback Destination.

- Built a generic and scalable data tracking system using RabbitMQ, Yii2 RESTful API, Multi-threaded Java workers and PostgreSQL.
- Implemented the complete Search functionality using SOLR with Solarium. Used clustering to predict similar queries and tuned SOLR for relevancy.
- Worked on the development of a custom MVC framework for Web and Mobile APIs.
- Implemented a cron execution and management system which includes monitoring, logging and scheduling of crons.
- Developed an admin panel for sending mobile push notifications through parse with scheduling and segmentation.
- Developed Mobile APIs using PHP.
- Developed the SEO panel to manage various tags for SEO. Implemented a dynamic template system for all tags.
- Developed a small framework to facilitate the use of Google Analytics for tracking various events in Javascript.
- Implemented various Admin panel functionalities for the Content team
- **Tech Stack:** PHP, RabbitMQ, Yii Framework, Java, MySQL, PostgreSQL

Indirect Model Analysis of Structures

Presented a Seminar on Indirect Model Analysis, explaining the method to compute response of Prototype from the Influence lines obtained from Model. Use of Muller Breslau Principle in Indirect Model Analysis and the Similitude between prototype and model.

Microtunneling

Presented a seminar on Micro Tunneling, explaining its advantages over conventional method of drainage laying systems. Analysis considering direct and indirect cost of micro tunneling was also discussed.

EDUCATION

National Institute of Technology, Goa

August 2010 - May 2014

Bachelor of Technology

Computer Science Engineering

CGPA: 8.35

Kendriya Vidyalaya, Silvassa

Class 10

2007, 88%

Class 12

2009, 90.6%

All the information provided above is accurate to the best of my knowledge