

Abhishek Patel

E-2, Patel Nagar, Mahajpur, Jabalpur
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Senior Software Engineer

Key skills:

- Java, BigData
- Architecture design, Business Logic Implementation

WORK EXPERIENCE – 2 Years

Aryeet Infotech (Former OHM UK Group) – Senior Software Engineer

Indore – December 22, 2015 to Present

- *Working as Senior Software Engineer. Responsible for designing and implementing the backend processing engines, business logic and databases. Handling a team of 4 members.*
- *Received Best Performer Award for Quarters January to March and April to May.*

Project 1(December 2015 - Present) – A social networking website for Politics

- *Prepared all the design documents and requirement documents for the project.*
- *Designed the Database schema for the whole project.*
- *Designed and implemented the key algorithms for aggregating data and performing analysis.*
- *Worked on the major modules for the project to take inputs of user in form of comments, likes etc.*
- *Designed and implemented notification module which publishes the real-time notifications using Redis PubSub.*
- *Designed and implemented Search module using Elasticsearch which supports searches like text search, geo search etc.*
- *Worked in writing the minimal UI using HTML, javascript and AngularJS.*
- *Technologies Used – Java, MySQL 5.7, Redis, SpringBoot, Hibernate, Elasticsearch*

Project 2 (June 2016) – Survey Application – The android application allows user to take surveys, submit the answers and then get reward points for the submitted answers. Now user can use these reward points to make international calls.

- *Client – USA based client*
- *Conversion of existing Ruby application into Spring-Hibernate based Java web application.*
- *Responsible for understanding the Ruby code and business logic and preparing the pseudo code for the same.*
- *Implemented the business logic in Java using Spring-Hibernate and MySQL as database.*
- *Integration with pre-existing code and testing and deployment on amazon server machine.*
- *Technologies Used – Java, Spring, Hibernate, MySQL.*

Project 3 (July 2016) – Customer Partner Portal – This web application allows users to create their accounts and register their company. Further they can buy a plan from the available plans and add their Customer Care Representatives to the application. These Customer Care Representatives can chat with the customers and solve their queries.

- Client – USA based client.
- Responsible for understanding the business logic and preparing the requirement document and task planning document.
- Designed the database and overall architecture of the application.
- Implemented the backend of the application single-handedly with all the business logic of the application.
- Worked on refinement of UI which is based on HTML, Javascript and AngularJS.
- Deployment of code on client's Amazon Web Server Machine.
- Technologies Used – Java, SpringBoot, Hibernate, MySQL

Project 4 (July 2016 – Present) – Dashboard – A web as well as mobile application which allows users to subscribe to different categories and view posts, messages or question on those categories. User is also allowed to post his/her message, post or question in any category in form of text, image, video or combination of any of these. User can also post answers or reply to questions or posts posted by other users. There is paid content as well which will be available to users who have paid for that content via Paypal.

- Client – USA based client.
- Responsible for understanding the business logic and preparing the requirement document and task planning document.
- Designed the database and overall architecture of the application.
- Implemented the backend of the application single-handedly with all the business logic of the application.
- Technologies Used – Java, SpringBoot, Hibernate, MySQL

Clear-Trail Pvt. Ltd. – Software Engineer

Indore – July 14, 2014 to December 21, 2015

- Worked as Software Engineer. Worked on different BigData Technologies to implement Projects to ingest, store, analyze and visualize the countrywide communication.
- Received Star Performer Award for Quarter July to September

Project 1(March 2015 – November 2015) - Entity Profiling – An end to end system to create the 360 degree profiles. This 360-degree profile contains data of a user such as his/her call details, email details and other social network details.

- Designed the Database in Cassandra, Redis and Elasticsearch according to the requirement.
- Designed the overall processing pipeline for the system to ingest the data coming at very high speed through Kafka, process the data and store it in Cassandra, Redis and Elasticsearch accordingly.
- All the activities done by any user was coming to Kafka and getting stored in different topics based on the type of activity. The generic processors consume data from Kafka topic and apply a model to profile the data of that particular type. After profiling and aggregating the data, it was stored in Cassandra for long-term detailed profile, in Redis for fast access and in Elasticsearch to perform search.
- The system was implemented to create and store profiles for all the citizens of a country. There were approximately 30 Million profiles for users in the system.
- Implemented the key algorithms for aggregating data and performing analysis.
- Wrote the middleware services and data access layer for the UI to fetch the data from Cassandra, Redis and Elasticsearch and pass it to UI services.
- Technologies Used – Java, Cassandra, Redis, Elasticsearch, Kafka.

Project 2 (November 2014 – January 2015)– The product captures the data flowing in the active links and then extracts the relevant information. Then the data is stored in HBase. This product enables user to figure out the connections between users, anomalies among users, the connections between networks and the source network and user of a particular information.

- Optimized the processing engine and created a single pipeline for three different processes.
- Created a storage component which stores the data of users temporarily or permanently based on the nature of data.
- Technologies Used – Java, Cassandra, Redis

TECHNICAL SKILLS

- Programming Languages – Java
- Databases – MySQL
- BigData Technologies – Cassandra, Redis, Elasticsearch, Kafka
- Web Technologies – SpringBoot, Hibernate, AngularJS
- Also have basic knowledge about Spark, Storm, HBase, MongoDB and Titan.

EDUCATION

- 2010-2014 : Acropolis Institute of Technology and Research, Indore, India – Bachelor of Engineering
- 2010 : Kendriya Vidyalaya VFJ, Jabalpur, India – Senior School Certification
- 2008 : Kendriya Vidyalaya VFJ, Jabalpur, India – Higher Secondary Certification

Personal Information

- Name – Abhishek Patel
- Father's Name – Mr. M.L. Patel
- Mother's Name – Mrs. Gyanwati Patel
- Languages – English, Hindi
- Date of Birth – November 22, 1992
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