

# MANISH KUMAR

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Bangalore

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A passionate Software Developer with 12 years of experience in the software industry.

## Experience:

- Total Exp - 12+years.
- Wells Fargo - Lead Software Engineer ( Dec 20 - Present )
- Operative Media - Senior Software Developer ( Sep 2019 - Nov 2020 )
- Atomiton India - Software Developer (Team Lead) ( Dec 18 - Sep 2019 )
- Attivo Networks - Software Developer (Team Lead) ( Oct 15 - Dec 18 )
- From Feb2014 to Aug2015, I was running my own website.
- Pawaa Software Pvt Ltd - Software Engineer ( Oct 11 - Jan 14)
- Vehere Interactive Pvt Ltd - Technical Analyst (July 10 - Aug 11)

## Technology Stacks

**Back End** : Spring, Spring Boot, Spring Cloud, Microservices, Java, REST Services, Kafka, Jenkins, Terraform, CI/CD, Kubernetes, Event Driven Design System.

**Cloud** : AWS Lambda, SQS, S3, EC2.

**Front End** : HTML, CSS, jQuery, Bootstrap, CoffeeScript, JavaScript.

**Database** : MongoDB, MySQL.

## Project Experience:

### Enterprise Payment Processing System:

**Tech Stacks:** Spring Boot, Kafka, MongoDB, Kubernetes, Microservices, Event Driven Design.

**Description:** Enterprise payment processing system that originates and validates millions of customer payments before processing everyday, It provides bank side validation prior to execution. This system is expected to process 40-50 millions of transactions everyday.

**Responsibilities:** High/low level design and implementations. System is based on event driven design having kafka as backbone.

### Microservice: CDC (Change Data Capture) Application

**Tech Stacks:** Debezium, Java, Spring cloud, Microservice, AWS SQS, AWS S3, REST, Jenkins, SonarQube, Jenkins, CI/CD, MongoDB, ElasticSearch, Kafka.

**Description:** Develop a Microservice based web application to audit the changes made in DB of a specific application. Any database changes should be audited and shown as the old value, new value, who changed it and when.

**Responsibilities:** Design & develop AWS based microservices using spring cloud. TDD based development. Follow Agile and CI/CD processes. Improving the code quality using SonarQube. Lead a team of size 4-5 developers.

## **Microservice: Media Advertisement Management System**

**Tech Stacks:** Java, Spring cloud, Microservice, AWS Lambda, AWS SQS, AWS S3, REST, Jenkins, Terraform, SonarQube, Jenkins, CI/CD, MongoDB.

**Description:** Develop a Microservice architecture-based web application that will calculate and demonstrate the ad's performance.

**Responsibilities:** Design & develop AWS based microservices using spring cloud. TDD based development. Follow Agile and CI/CD processes. Improving the code quality using SonarQube. Lead a team of size 4-5 developers.

## **Web Services for IOT Application**

**Tech Stacks:** Java, Spring MVC, Spring Boot, REST Services, Kafka, Jenkins, MySQL, Hibernate

**Description:** Design and develop REST api for IOT application web interface.

**Responsibilities:** Design and develop applications using spring boot from scratch. Use Kafka for event driven processing. Create a MySql based application to store the IOT devices activities. Lead a team of size 4 developers.

## **REST Service Development**

**Tech Stacks:** Java, Spring MVC, REST Services, ElasticSearch

**Description:** Design and develop the REST APIs for different modules of the product using Java & Spring. My work also involves some front end development. Lead a team of size 3 developers.

## **My own Website (Full Stack Development)**

**Tech Stacks:** jQuery, HTML, CSS, Bootstrap, Java, Spring MVC, REST Services, PostgreSQL.

**Description:** I developed and launched my own website. The main service of that was to sell second hand mobile, laptop & tablet. Here a user was allowed to sell used gadgets by uploading gadgets pictures & their details with or without signup.

**Responsibilities:** I had implemented both the front end and the back end of the whole website.

## **Local Machine File Crawler and Converter**

**Tech Stacks:** Core Java, Java Multithreading, Java Collection & Data structure.

**Description:** Crawl all files of a source directory and store it to the destination directory after converting to the target extension file.

**Responsibilities:** File crawling and processing. Develop the GUI of application in swing.

## **Web Application design and development**

**Tech Stacks:** Java, Spring MVC, Spring Security, JSON, JSP, Servlet, REST Services.

**Description:** Developing a web application. This web application was basically an online application to track all activity of users connected to our application.

**Responsibilities:** Design and develop back end and REST services using Java and Spring. Web application security using spring security.

## **Online document viewer**

**Tech Stacks:** Java, Spring MVC, Spring Security, JSON, JSP, Servlet, REST Services.

**Description:** Goal of this project was to view a document online without installing the native application in your machine. It was able to protect the document against copying or taking screenshot within the browser upto some extent.

**Responsibilities:** Design and develop back end and REST services using Java and Spring.

## Real time data file parser

**Tech Stacks:** Core Java, Swing, Maven, Hibernate

**Description:** Data file parser is a real time application for processing multi format data files and keeping the processed data into a database. This application was processing thousands of .txt files that come in different formats every time. This application extracts the content of each file and keeps it back to the database after processing.

**Responsibilities:** To process huge amounts of correct and corrupted files per day and keep the extracted data in the database. Design and develop the user interface of the application. Maintenance and technical support to the client.

## Education

Completed **B.Tech. (Computer Engineering as major)** from Sikkim Manipal Institute of Technology in 2010 with CGPA **6.87/10**.