RABINDRA KUMAR PATRA, Lead Engineer at FICO, Bangalore, India.

Full Stack: Java / Spring / React JS / Microservices / Kafka Developer | Experience: 8+ years

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GitHub: [www.github.com/rkpatra201](http://www.github.com/rkpatra201)

**SKILLS & TOOLS**

* JAVA 8/17, SPRING BOOT, MICROSERVICES, REACT JS, KAFKA, DOCKER, KUBERNETES, ELASTICSEARCH, MYSQL, CASSANDRA, TOMCAT
* Distributed Systems, Data Structures

**PROJECTS**

**DECISION MANAGEMENT PLATFORM (DMP): Individual Contributor**

* Worked on Distributed Executor Service to avoid Job Loss on Pod Crash.
* Integrated Guest Role to provide minimum permission on resources.
* Fixed OOM Error with pagination. Used react js components for pagination.
* Fixed defects associated with ADMIN roles and permission.
* Enhanced integration test execution for the platform.
* Implemented component teams roles and permission.
* Wrote distributed listeners to release lock entry for resources on pod crash.

**Overview**: DMP provides and manages a containerized platform on top of Kubernetes where all the applications developed by FICO are deployed. This platform also provisions services like S3, MySQL required by the hosted applications (solutions or components) on demand.

**OPERATIONAL DATA STORE (ODS): Individual Contributor**

* Configuration of CCM2 into the ODS platform and CronJobs in WCNP (Docker & Kubernetes).
* Hawkshaw integration with ODS for monitoring of messages
* Setup code coverage with Junit, Jacoco and Jenkins. Increased code coverage from 0-85
* Java and Kubernetes Cronjobs for platform: backup Kafka offset, Elasticsearch & Cassandra data comparison.
* Vulnerability library scan in docker containers, Checkmarx Scan
* Configured data pipelines using Kafka, Elasticsearch and Cassandra.
* Implemented configurable deployment pipeline portal for ODS.

**Overview**: This platform used for consuming messages from upstream, transform the messages and publish the data to downstream. ODS stores the messages for a given period so that it can provide the historical data to new clients.

**FICO APPLICATION WORKBENCH (FAWB)**

* Configurable API versioning by customising Spring web mvc on startup.
* Export and Import REST API flow for the FAWB generated components. Used hazelcast locking to avoid duplicate import of project.
* Published FAWB applications as components.
* Fixed a bug(git) to reduce the latency to 35milliseconds from 3minutes.
* Detected a thread waiting between tomcat http-thread and user-thread using jstack.

**Overview**: This platform creates project for the end-users with drag and drop functionality. This is a low code platform. With a single click user can deploy the application as containers in cloud environment.

**ACADEMIC**

* MCA 2010-2013 (REGULAR) Utkal University, Bhubaneswar, Odisha

**EMPLOYEERS**

* FICO: September 2022 – **PRESENT, LEAD ENGINEER**
* WALMART: August 2021 – September 2022, IN3
* FICO: September 2018 – August 2021, ENGINEER 2
* TEKSYSTEMS: February 2016 - June 2018, ENGINEER 1