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CASE STUDY

USING APACHE CAMEL TO INTEGRATE MULTIPLE SYSTEMS IN A HEALTHCARE COMPANY

CHALLENGES

The client had multiple systems that were not communicating with each other, leading to a lack of visibility into patient care and data. The client needed a solution to integrate these systems and automate the flow of data between them.

SOLUTIONS

Euphoric's team decided to use Apache Camel to solve this problem as it is an open-source integration framework that provides a set of APIs and components to integrate different systems. It uses a simple and flexible routing engine to define and execute message flows between different systems.

Our team used Apache Camel to integrate the client's Electronic Medical Record (EMR) system with Hospital Information System (HIS) and Practice Management (PM) System. These systems were built on different technologies and had different data formats.

Apache Camel was used to create routes between these systems, which included transforming data between different formats, routing messages to the correct destination, and monitoring the flow of data between the systems.

BENEFITS

With this approach, the client was able to achieve the following benefits:

- Improved patient care: With the integration of EMR, HIS, and PM systems, the client was able to provide a more holistic view of patient care, resulting in better patient outcomes.
- Increased efficiency: The automation of data flow between different systems resulted in increased efficiency and reduced manual effort.
- Cost savings: The use of Apache Camel allowed the client to avoid the need for custom development and to use open-source technology, resulting in cost savings.

This solution aided to integrate multiple systems, resulting in improved patient care, increased efficiency, and cost savings.

TECH STACK

- **Rabbit MQ**
- **Java 8**
- **Apache Camel**
- **Spring Boot**
- **Mongo DB**
- **My SQL**
- **Angular**
- **React Native**

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