

## Felipe Babel

Back-End Software Engineer

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<https://github.com/felipebabel>

### Profile

I am a technology professional specializing in healthcare system integrations, with a primary focus on HL7 FHIR, HL7, and JSON. My experience includes developing and maintaining microservices architectures to facilitate seamless healthcare data exchange between systems.

### RECENT WORK EXPERIENCE

#### Philips

##### **Entry-Level Software Engineer | December 2022 – Present**

As a software engineer, I am responsible for maintaining and developing integrations between healthcare systems using HL7, JSON, and HL7 FHIR formats in internal and microservices architectures.

##### **Key Highlights:**

- **Performance Optimization:** Successfully improved product performance by optimizing screen loading time, reducing it by approximately 66% (from 12 seconds to 4 seconds). This achievement met critical functional requirements and significantly enhanced the user experience.
- **Security Implementation:** Played a key role in implementing authentication for the product, addressing essential security needs to protect functionalities and prevent unauthorized third-party access.

Tags: Java, REST, Spring, Docker, Microservice, Apache Kafka, PL/SQL.

##### **R&D Software Developer Intern | November 2021 – November 2022**

As an R&D Software Developer Intern at Philips, I contributed to maintaining healthcare system integrations and implementing continuous improvements within a monolithic architecture, focusing on enhancing system performance and reliability.

##### **Key Highlights:**

- **Maintained and Optimized Integrations:** Worked on maintaining and optimizing healthcare system integrations using JSON to ensure seamless data exchange and system interoperability.

- **System Enhancement and Functionality Improvements:** Analyzed requirements and implemented targeted enhancements to improve system functionality, ensuring better performance and reliability.

## **Education**

FURB (Regional University of Blumenau)

Bachelor's in Information Systems

Expected graduation: January 2026

## **Technologies**

- Languages and Frameworks: Java, Spring Boot
- Databases: SQL Server, MySQL
- Tools and Infrastructure: Docker, Redis, Apache Kafka
- Architecture: Microservices, Monolithic

## **Languages**

- Portuguese: Native
- English

## **Skills**

- Effective communication and teamwork
- Fast learner
- High productivity
- Deadline management
- Requirements analysis and continuous improvement