

SOFTWARE ENGINEER

OBJECTIVE

To leverage my skills as a Software Engineer, embracing challenges and opportunities to continuously grow, while contributing to impactful projects.

HIGHLIGHTS

- Owned and improved a critical security system for a client, reducing open tickets from constant issues to just 1-2 per month. Worked day and night to stabilize operations and enhance a complex database, ensuring reliable support for emergency response services like 911.
- Designed and developed the TPA Adjustments feature at Collective Health, enabling finalized claims to be adjusted without resubmission. This feature significantly improved workflow efficiency, reducing the time needed for users to process claim adjustments.
- Developed an on-demand rule editing system with Drools, streamlining claim adjustments by automating actions, reducing user workload, and eliminating the need for multiple system rules or frequent deployments.

TECHNICAL SKILLS

- **Languages:** Java, C, C++, Python, PHP, Action Script, SQL (PL/SQL)
- **Web Technologies:** HTML, CSS, JavaScript
- **Frameworks:** Spring Boot, GraphQL, Drools, Dropwizard, JUnit, Mapstruct, Mockito, Pytest
- **Tools:** Maven, GIT, PostgreSQL, Jenkins, Docker, Kubernetes, Jira, Confluence
- **Methodologies:** Scrum, Kanban, Agile

PROFESSIONAL EXPERIENCE

COLLECTIVE HEALTH

Senior Software Engineer (May 2019 – January 2025)

- Contributed to a multi-year healthcare claims processing engine, collaborating with global teams to ensure seamless operation and delivery.
- Played a key role in the ASE team, efficiently routing tickets and resolving CHILI (critical high-level issues) with minimal downtime.
- Developed key system modules, driving innovation and improving functionality:
 - COB (Coordination of Benefits): Automated cost-sharing for patients with multiple insurance plans, ensuring accurate allocation among all parties.
 - TPA Adjustments: Created a module to adjust claims without resubmission.
 - Benefit Recommendations: Used Python and machine learning to recommend benefits based on user history when plan data was incomplete.
 - Edit Rules: Implemented on-demand rule editing using Drools, enabling dynamic configuration of business rules.
- Actively participated in Scrum rituals, ensuring timely delivery of sprint goals and maintaining code quality.

STATE DEPARTMENT OF PUBLIC SECURITY AND SOCIAL DEFENSE

System Analyst (January 2018 – April 2019)

- Developed web systems using J2EE, EJB, JPA, and JSF frameworks, improving system performance by 30%.
- Designed complex PL/SQL queries and optimized Oracle database performance, reducing query execution time by 20%.
- Created reports with Jasper, integrated REST architecture, and ensured version control via GIT.

ALTA RAIL TECHNOLOGY

System Analyst (May 2017 – December 2017)

- Developed desktop applications and web services in C++ and C#, improving system efficiency and reliability.

TREVIT SISTEMAS

System Analyst (August 2014 – November 2015)

- Designed and implemented web systems with J2EE (EJB, JPA, JSF), streamlining operations and greatly enhancing user satisfaction.

CSI - SOLUÇÃO & TECNOLOGIA

System Analyst (February 2011 – July 2014)

- Developed and integrated web systems with Flex and Java, adhering to the Presentation Model pattern, enhancing system flexibility.
- Optimized database performance with PL/SQL, resulting in a 40% improvement in query processing speed (some queries were optimized, reducing execution time from 30-90 seconds to 1 millisecond).

EDUCATION AND EXTRACURRICULAR COURSES

Bachelor's degree in Systems Analysis and Development (Ifes) - 2008 to 2013

Postgraduate in Data Science with Big Data (Ifes) – 2018 to 2019

C++ Training Program - Basic and Advanced 80 hours (DATAPREV) - 2010

Administrative Services (COEP) - 2005 to 2006

LANGUAGES

English: Fluent

Portuguese: Native

ADDITIONAL INFORMATION

For more details about my professional background and additional experiences, please check my LinkedIn. I am always eager to learn new technologies, stay updated with industry trends, and adapt to the working style of the company that hires me. I am committed to continuous improvement, innovation, and collaboration to drive success.

Filyppe Meneses Coelho

Full Professional resume available on [linkedin.com/in/filyppecoelho](https://www.linkedin.com/in/filyppecoelho)