

# IAGO DA SILVA RODRIGUES ALVES

Junior Software Engineer

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## SUMMARY

Backend-focused Software Engineer working on the evolution and maintenance of systems at Group Software. Strong experience with C# (.NET) and Java, including work with relational databases, API integrations, and business rules. Bachelor's student in Information Systems at UFMG (expected graduation in 2026), with a background in technical leadership in academic projects and the application of software engineering best practices aimed at business impact.

## EDUCATION

BACHELOR'S DEGREE IN INFORMATION SYSTEMS | FEDERAL UNIVERSITY OF MINAS GERAIS (UFMG)

2022 - 2026

Solid academic background in Computer Science, including coursework in data structures, algorithms, software engineering, databases, computer networks, data analysis, and project management. Practical experience during the degree with C/C++, Python, Linux, and Git version control.

## EXPERIENCE

PROJECT ADVISOR | PI JÚNIOR

apr 2024 - mar 2025

- Software Lifecycle Management: End-to-end project management, including requirements gathering, negotiation with real clients, development, delivery, and final acceptance.
- Solution Development: Implementation of system integrations, process automations, web applications, scrapers, and dashboards, using agile methodologies and Git-based version control.
- Soft Skills: Direct communication with stakeholders, proactive problem-solving, and effective collaboration within multidisciplinary teams.

DEVELOPMENT INTERN | GROUP SOFTWARE

jul 2024 - dec 2025

- Maintenance, modernization, and evolution of legacy shopping center management systems, working with complex business rules, code refactoring, and optimization of SQL Server queries and procedures, ensuring performance, stability, and business alignment.
- Maintenance and development of APIs and integrations using Java (Spring Boot) and C# (.NET), including contract definition, security, versioning, and containerization with Docker, ensuring scalability and service standardization.

JUNIOR SOFTWARE ENGINEER | GROUP SOFTWARE

jan 2026 - present

- Brazilian Tax Reform Adaptation: Responsible for the technical and functional restructuring of the company's main product to comply with the Brazilian Tax Reform, working directly on critical calculation routines, review of complex business rules, data model updates, and fiscal and legal compliance validation.
- Fiscal Module Development (NFS-e): Greenfield development of a fiscal integration module for electronic service invoice (NFS-e) issuance using .NET (C#), focusing on legal compliance, external system integrations, fiscal validations, data security, and scalability.
- Sales Management System Development: End-to-end development of a sales management system for shopping centers, from solution modeling and architecture definition to implementation of business rules, integrations, data persistence, and APIs, supporting multiple tenants (stores), billing control, management reports, and continuous product evolution.

## **TECHNICAL SKILLS**

### Languages and Frameworks

- C#, .NET, Java, Spring Boot

### Databases

- SQL Server, PostgreSQL

### Tools and Technologies

- Git, Docker, Linux

## **SOFT SKILLS**

Communication, Agile Project Management, Problem Solving, Teamwork, Fast Learner

## **LANGUAGES**

PORTRUGUESE — NATIVE (BRAZIL)

ENGLISH - C1 ADVANCED

## **PORTFOLIO**

<https://blog-iago-alves.vercel.app/>