

# Rafael Sousa Aragão de Almeida

## Senior Backend Software Engineer

Hortolândia, São Paulo, Brazil | Open to Remote / U.S. Opportunities

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## Professional Summary

Senior Software Engineer specializing in backend development, software architecture, enterprise systems integration, and scalable distributed platforms. Experienced in designing and maintaining RESTful APIs, microservices, HR systems, ERP integrations, and cloud-ready applications using .NET, PHP, Laravel, Docker, SQL Server, MySQL, PostgreSQL, and Azure DevOps. Strong background in technical leadership, Clean Architecture, SOLID principles, DevOps workflows, and legacy modernization. Proven ability to deliver business-critical software solutions with focus on performance, maintainability, and scalability.

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## Core Competencies

**Backend Development:** .NET, PHP, Laravel, REST APIs, Microservices, Distributed Systems

**Software Architecture:** Clean Architecture, SOLID, Design Patterns, Legacy Modernization

**DevOps & Infrastructure:** Docker, Azure DevOps, CI/CD, Release Management, Azure Infrastructure

**Databases:** SQL Server, PostgreSQL, MySQL

**Leadership:** Tech Lead, Agile/Scrum, Backlog Refinement, Code Review, Team Mentorship

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## Professional Experience

IA Tec – Adventist Institute of Technology | Senior Software Engineer / Tech Lead

**Dec 2021 – Present**

- Lead backend development for 7You, an enterprise HR, reimbursement, and future payment management platform serving large-scale organizational operations
- Architect and develop scalable .NET and PHP solutions, RESTful APIs, and microservices focused on maintainability and performance
- Serve as technical lead for HR-focused products, guiding architecture decisions and engineering standards
- Manage technical analysis, backlog refinement, and release processes through Azure DevOps
- Oversee deployment, versioning, and production stability while supporting engineering best practices
- Modernize and improve legacy PHP systems for long-term scalability

## TECMARAN | Technical Consultant

### Jan 2021 – Dec 2021

- Implemented and customized Siemens Opcenter APS / Preactor enterprise planning solutions
- Led ERP integrations between SAP, TOTVS, and Opcenter APS using SQL Server
- Managed internal web development initiatives and enterprise software delivery
- Supported backend development and systems architecture for industrial software environments

## TECMARAN | Development Intern

### Jun 2020 – Jan 2021

- Developed internal web systems and business applications using PHP, VB.NET, SQL Server, and MySQL
- Supported Azure infrastructure environments and enterprise software operations
- Assisted in backend integrations and internal systems development
- Built foundational expertise in ERP ecosystems and enterprise software architecture

## Freelancer | Software Engineer

### Jan 2019 – Present

- Develop custom websites, backend systems, and enterprise software solutions for diverse clients
  - Build web applications, APIs, and custom integrations using PHP, .NET, Laravel, and C#
  - Deliver full project lifecycle from requirements gathering to deployment
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## Early Career & Academic Experience

### Adapti Web Solutions | Development Advisor / Trainee

- Developed websites and web systems using Laravel, PHP, JavaScript, HTML5, CSS3, and MySQL
- Supported project structuring, version control, and agile workflows

### Federal University of Espírito Santo | Computer Lab Monitor

- Maintained hardware, software, and Ubuntu server environments
- Supported IT infrastructure reliability and technical operations

### Academic Affairs Coordinator

- Managed scheduling operations, conflict resolution, and organizational coordination
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## Education

### **Bachelor's Degree in Computer Engineering**

Federal University of Espírito Santo (UFES)

### **MBA / Postgraduate Degree in Software Architecture and Solutions**

XP Educação

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## Academic Research Projects

- Mathematical Modeling in Mathematics Education
  - Linear Algebra and Differential Calculus through computational problem-solving methodologies
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## Volunteer Leadership

- Youth leadership, mentorship, and large-scale volunteer program management (300+ participants)
  - Team development, event coordination, and community leadership
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## Additional Information

**Languages:** Portuguese (Native), English (Intermediate / Professional Working Proficiency)

**Work Eligibility:** Open to remote international opportunities