

## Contact

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(Portfolio)

## Top Skills

Security  
Security Operations  
Cybersecurity

## Languages

English (Full Professional)  
Spanish (Elementary)  
Portuguese (Native or Bilingual)

## Certifications

Becoming an AI-First Product Leader  
Product Roadmapping Micro-Certification (PRC)™#  
AI Agents for Product Leaders  
Fluência Duolingo em Inglês:  
Avançado (estimativa)  
Fluência Duolingo em Espanhol:  
Elementar (estimativa)

# Rodrigo Ramos

Tech Manager | Solutions Architect | Java | AWS | Quality Assurance  
in Fintech/Startup  
Spain

## Summary

I'm a Tech Manager and Solutions Architect with 20+ years of experience in the software industry—specializing in designing scalable, secure, and cost-efficient systems using AWS and multi-cloud platforms.

I thrive at the intersection of technical excellence and business strategy, driving innovation by embedding AI-assisted development into the engineering lifecycle to dramatically accelerate delivery speed and code quality.

## Key achievements:

### Solutions Architecture & Cloud

- \* Designed and implemented high-performance microservices architectures using Java (Quarkus, Jooby, Spring) and AWS services like SQS and SNS.
- \* Optimized server configurations and JVM performance, resulting in a 30% increase in application efficiency.
- \* Focused on DevSecOps and security-by-design, applying threat modeling and CI/CD security scanning to ensure robust cloud governance.

### AI & Productivity Innovation

- \* Pioneered the adoption of AI-native workflows using tools like Cursor, Code Rabbit, and LLM Agents to drive an 80% improvement in developer productivity.
- \* Leading the transition toward AI-first engineering organizations, significantly reducing project costs while increasing delivery robustness.

### Engineering Leadership & Quality

- \* Mentored Tech and Dev Leads, fostering high-performing teams through structured skill development and accountability.

- \* Established robust quality practices, including TDD and code reviews, and implemented SonarQube pipelines to achieve 80% code coverage and reducing the war-rooms.
- \* Reduced post-launch issues by 30% through rigorous testing frameworks and quality assurance leadership.

### Entrepreneurship & Strategic Impact

- \* Co-founded Rich Solutions, leading digital transformation for regional offices and automating production lines for the aerospace sector.
- \* Proven track record in Fintech and Startups, aligning complex technical deliveries with operational KPIs and business growth.

Currently pursuing an Executive MBA in Software Architecture to continue bridging the gap between advanced technical design and strategic business leadership.

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## Experience

alt.bank

7 years 2 months

Tech Manager - Collections, Chatbot, AI, QA

December 2023 - Present (2 years 2 months)

São Paulo, Brazil

As a Tech Manager focused on Solution Architecture, I align technical operations with strategic goals by designing scalable, cost-efficient cloud solutions. I am significantly enhancing project delivery and quality by embedding AI directly into the engineering cycle. Through the adoption of tools like Cursor, Code Rabbit, and LLM Agents, I am driving an 80% improvement in developer productivity, enabling faster, more robust, and cost-effective project execution in AWS and multi-cloud environments.

Key responsibilities include:

**Solution Architecture:** Designed and implemented microservices-based systems using AWS services (SQS, SNS) and Java frameworks (Jooby, Quarkus) for optimized performance and scalability.

**Strategic Alignment:** Prioritized tasks to meet company objectives, ensuring all technical deliveries supported operational efficiency and KPI targets.

Team Leadership: Mentored Tech and Dev Leads, fostering skill development and accountability by assigning progressively complex tasks and resolving conflicts with Product Owners.

Quality Advocacy: Established robust practices like TDD and code reviews, improving software reliability and maintainability.

Operational Oversight: Monitored BI dashboards to track key metrics, developed performance evaluation systems, and implemented data-driven strategies to enhance outcomes.

This role demonstrates my expertise in blending architecture design, leadership, and quality advocacy to deliver innovative, high-impact solutions that drive business success while optimizing costs and performance.

#### Senior Technical Lead - Java, NodeJS, Flutter

September 2021 - December 2023 (2 years 4 months)

São Paulo, Brazil

I am responsible for ensuring test quality and coverage, code review quality, and implementing effective solutions. Additionally, I oversee the progress of development teams and ensure the proper functioning of third-party APIs and SDKs. As a mentor, I track developer progress and lead weekly meetings to monitor delivery speed and identify bottlenecks. I focus on team development and propose solutions for improved performance. I also ensure timely delivery of tasks, adherence to architecture standards, and code quality. I like to coordinate daily meetings, prioritize tasks, and participate in agile ceremonies. At the end of the day, I am dedicated to preparing and delivering successful software releases.

#### Full Stack Developer - Java / Flutter

January 2019 - September 2021 (2 years 9 months)

In my new role as a Full Stack Developer, I'll be applying my Java development expertise, technical project leadership skills, proficiency in database queries, and experience in microservices to lead technical projects, integrate components, and deliver comprehensive solutions, positioning me to make significant contributions and meet or exceed expectations.

#### Full Stack Engineer - Java, Quarkus, Android/Flutter

December 2018 - January 2019 (2 months)

São Paulo, São Paulo, Brazil

- Spearheaded the development of Android applications using Flutter, implementing MVC and Bloc components for enhanced performance.
- Collaborated across teams to drive the full product development lifecycle, from ideation to MVP rollout, ensuring high-quality deliverables.

- Conducted rigorous testing and quality assurance using sikuli testing framework, resulting in a 30% reduction in post-launch issues.
- Implemented and managed the SonarQube in the CICD pipeline, achieving 80% of code coverage in the frontend and 80% in the backend.
- Leveraged the Jooby micro framework for Java development, optimizing application architecture and functionality.

**RRLabs Serviços**

**Full Stack Engineer**

January 2012 - December 2018 (7 years)

São Paulo - SP

I have successfully contributed to the development of innovative mobile applications Flutter with Bloc, MVC and MVU while enhancing my technical expertise.

- Spearheaded the implementation of Clean Architecture principles, improving code maintainability by 30%.
- Collaborated with cross-functional teams to deliver projects on time, increasing client satisfaction ratings.
- Managed fullstack solutions using Vaadin, Spring Framework and Oracle/ MySql, optimizing server performance and reliability.

**As2 Group**

**Senior Developer**

August 2016 - August 2018 (2 years 1 month)

São José dos Campos Area, Brazil

- Spearheaded the development of advanced web systems specializing in Industry 4.0 and GS1 labeling.
- Integrated legacy VB6 systems and MSSQL with modern production lines, enhancing operational efficiency and traceability.
- Collaborated with cross-functional teams to implement user-friendly interfaces using Java Primefaces, Spring Boot, Spring Framework and MySql, improving user engagement by 30%.

**Urbam (Urbanizadora Municipal S.A.)**

**System Analyst**

February 2011 - May 2016 (5 years 4 months)

São José dos Campos, Brazil

- Developed and maintained web java applications using the Demoiselle Framework/ Spring and Oracle, enhancing user experience and functionality.

- Created native Android applications(MVVM), expanding the company's mobile presence and accessibility.
- Implemented Agile methodologies, improving project delivery timelines and team collaboration.
- Optimized JBoss Wildfly Server configurations and JVM performance, resulting in a 30% increase in application efficiency.

**Fundação Cultural Cassiano Ricardo**

**Lead Web Developer**

April 2008 - February 2011 (2 years 11 months)

São José dos Campos Area, Brazil

- Led a web development team utilizing Scrum methodologies to enhance project efficiency and collaboration.
- Spearheaded the development of an intranet (WordPress) and a user-friendly portal (Joomla), streamlining content creation processes, reducing the costs in 45%.
- Revamped the production cycle, using Kanban and XP, resulting in a 30% reduction in project turnaround time.
- Designed and implemented software using Joomla, T5 Framework and HTML/CSS for managing cultural workshops, positively impacting community engagement in São José dos Campos.

**Prefeitura Municipal de São José dos Campos**

**IT Support Assistant**

April 2007 - April 2008 (1 year 1 month)

Providing maintenance and direct technical support to users. Telephone support for Windows systems. Performing computer formatting and configuration, including partitioning and applying ISO images. Installation and configuration of hardware and software. Configuration, maintenance, and replacement of TrixTec brand electronic time clocks.

**Rich Solutions**

**Co-Founder**

January 2005 - April 2007 (2 years 4 months)

São José dos Campos Area, Brazil

- Co-founded Rich Solutions, driving strategic vision and innovation in a dynamic startup environment.
- Led the digitization of workflows for a regional notary office, using Coldfusion, Flash, CFC and Action Script, reducing service time significantly.

- Automated production lines for an aircraft parts company, integrating systems written in Coldfusion, enhancing productivity and integration.
- Streamlined inventory management for a t-shirt company, using HTML, Coldfusion, CSS and Flash/Action Script, optimizing cost management and visibility.

**Entrepreneur**

6 years

**Technical Support**

January 2000 - December 2005 (6 years)

Entrepreneur

Provided remote IT support and helpdesk assistance, specializing in home-based services. I helped clients enhance their computer performance by upgrading memory, expanding hard drive space, and optimizing hardware for improved speed and efficiency. My focus was on ensuring that clients' systems operated at peak performance, offering tailored solutions for better overall functionality.

**Information Technology Teacher**

January 2001 - January 2004 (3 years 1 month)

I trained business owners and employees of companies transitioning to the tech sector, addressing the need for personalized training due to the lack of time for regular courses. The training sessions were adapted to the clients' available schedules, providing flexibility and effectiveness in learning. I taught classes on Windows, Microsoft Office, OpenOffice, Adobe Suite, internet tools, and Corel Suite, equipping participants with practical skills applicable to their professional daily tasks.

**Johnson & Johnson**

**Administrative Assistant**

January 2004 - May 2005 (1 year 5 months)

São José dos Campos - SP

During my tenure at Johnson & Johnson Professionals, I actively participated in the "Lean Process" and "Process Excellence" programs, where I honed my skills in quality control, data analysis, and process optimization. I utilized the MicroSiga Protheus system to manage operations within the medical products line, ensuring high-quality standards and efficient workflows. By leveraging internal methodologies and custom applications, I contributed to effective quality management and continuous process improvement.

In my first paid role, I gained critical knowledge in medical product quality techniques, the importance of information traceability, and the value of quality audits. After undergoing quarterly audits, my team achieved a flawless record in internal audits, receiving zero strikes, and only one recommendation in an international audit. This experience reinforced my commitment to maintaining rigorous quality standards and driving operational excellence.

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## Education

### XP Educação

Executive MBA - Software architecture design, Computer Software Design · (September 2023 - August 2024)

### Instituto Brasileiro de Tecnologia Avançado

Technologist Analysis and Systems Development (B.Tech.), Gestão de Sistemas de Informação · (2004 - 2006)

### University of Maryland College Park

Specialization, Computer Science · (2015 - 2015)

### University of Toronto

Introduction To Swift Programming, IOS with Swift · (2015 - 2015)

### Centro de Educação Profissional Hélio Augusto de Souza

Diploma of Technician in Telecommunications, Tecnologia em Telecomunicações · (2002 - 2003)