

## ELCIO ABRAHÃO, PhD

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[elcioabrahao@alumni.usp.br](mailto:elcioabrahao@alumni.usp.br)  
54 years old - Brazilian/Italian - Married - 2 kids

### Enterprise Architect / Tech Director

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Responsible of communicating with various business and IT stakeholders, facilitating the dialog between these stakeholders, proposing optimal planning decisions satisfying their essential concerns and developing different EA artifacts.

Proficient team player and communicator, proactive innovator and system thinker, specialized to bridge the gap between business and IT. Ability to explain the implications of various IT-related planning decisions for the business of an organization to a wide business audience. Comfortable speaking about business strategy, competitive advantages, business capabilities and processes.

Excellent knowledge of organizational politics and culture to be able to effectively promote their decisions and cope with the potential resistance.

Hands-on working experience in IT including the following typical tasks:

- Developing new IT systems using the Java tech stack;
- Creating new and administrating existing databases;
- Participating in different types of IT projects in various roles;
- Preparing various contracts and tender documentation, monitoring latest technical trends, assessing and selecting technologies.

Overall understanding of the best practices in different areas including, among others, the following topics:

- Project management – delivering new IT projects in a well-organized and predictable manner on time and within budget
- Release management – organizing the system rollout through different stages and environments, e.g. development, testing and production;
- Change management – establishing standardized and repeatable procedures for handling ongoing changes in the IT environment;
- Configuration management – keeping track of the configuration and versions of all deployed system components;
- Service management – controlling the quality of provided IT services, e.g. service level agreements (SLAs).

Comprehensive understanding and knowledge in the following areas:

- Available technologies and new emerging today and what potential they provide to the business;
- Classes of information systems that exists in the market and what kinds of business problems they can solve;
- Solution vendors that are present in the IT market and what products or services they offer.

Proactive communicator, able to convey and explain architecture decisions to all the relevant stakeholder groups, collect their feedback, reconcile the arising discrepancies and reach a mutual agreement among all these groups, including the following abilities:

- Finding appropriate words for a verbal conversation with different general stakeholder groups as well as with specific individuals representing these groups;
- Finding appropriate representation formats for EA artifacts easily understandable to their intended audience;
- Finding appropriate arguments to demonstrate the value of using specific EA artifacts to their stakeholders;
- Finding convincing arguments for explaining the benefits of a disciplined approach to information systems planning.

Professional with more than 10 years of experience in enterprise and solution architecture, team management, selection and hiring of professionals, selection and hiring of software development, mainframe environments, on-premise and cloud infrastructure services.

Responsible for managing highly complex and available software development projects, migration of legacy systems, digital decoupling, modernization, selection and contracting of cloud infrastructure with the main market vendors.

Responsible for preparing business cases and budgeting for projects with investments in the order of US\$ 100 M including services and infrastructure.

Mentor for startup companies on acceleration programs, working in all stages of development of innovative projects for means of payment, logistics and retail.

Experience in projects in Latin America, United States and Europe, Brazilian and Italian citizenship, fluent in Portuguese and English and good knowledge of Spanish.

Engineering background with a PhD in Computer Engineering from POLI - USP with 3 Post-Doctorates in software engineering from LIRMM - France and POLI/USP – Brazil.

University Professor of Under Graduation and Post Graduation at São Judas University and FIAP at São Paulo, Brazil from 2001 to 2021.

## **Formal Education**

**Postdoc** - Jan 2020 to July/2022 - Department of Naval Engineering at POLI - USP - Software Development Project for Risk Analysis of Off-Shore Equipment. (Patent Granted). Sponsored by PETROBRAS.

**Postdoc** - Mar 2023 to Set/2023 - Department of Naval Engineering at POLI - USP – Graphical Interface Tool for Event and Risk Tree Analysis. Sponsored by PETROBRAS.

**Postdoc** - January 2018 to January/2019 - Alignments between Ontologies - LIRMM - Laboratory of Informatics, Robotics and Microelectronics of Montpellier University, Montpellier, France.

**PhD Computer Engineering** - completed in 2017 - Ontologies and Semantic Web Polytechnic School, University of São Paulo - POLI/USP.

**Master in Computer Science** - completed in 2007 - Distributed Systems/RFID - Catholic University of Santos - UNISANTOS/SP

**Specialization in Informatics** - completed in 1997 - Specialist Systems in Agriculture - Federal University of Lavras - UFLA/MG

**Agronomic Engineering** - completed in 1993 - graduation - Júlio de Mesquita Filho Paulista State University - FCA/UNESP/Botucatu/SP

## **Languages**

Portuguese - Fluent/Native

English - Fluent

Spanish - Basic

French - Basic

Italian - Basic

## **Experience Abroad**

**2018** - (1 Year), Visiting Scientist at the Laboratory of Informatics, Robotics and Microelectronics of Montpellier (LIRMM) in a Postdoc program at the University of Montpellier, France.

**2008** - (2 months) - Mentoring in relationship marketing systems development, Grass Roots UK, Tring, England.

**2006** - (4 months) - Software developer for relationship marketing project, Grass Roots America, Miami, USA.

**2002** - (1 month) - Leasing/CDC software project manager - Disoft/Banco Galicia, Buenos Aires, AR.

## Links

E-mail/Google Meet: [elcioabrahao@alumni.usp.br](mailto:elcioabrahao@alumni.usp.br)

Github: <https://www.github.com/elcioabrahao>

ORCID: <https://orcid.org/0000-0001-7983-2253>

LinkedIn: <https://www.linkedin.com/in/elcio-abrah%C3%A3o-b058b4214/>

## PODCASTS

Platform Strategy: <https://www.youtube.com/watch?v=IHxFW8743uk&t=60s>

Enterprise Architecture: <https://www.youtube.com/watch?v=eCNtgtsuTY4>

## Professional Experience

### **VR Benefícios**

**Out/2022 to current** Benefit Group, Annual revenue R\$10,4 billion (2022),  
Head Solution Architect, Architecture Manager

- o Responsible for defining corporate architectures for the VR Business Ecosystem. Manager of the team of Solution Architects that serves the client board, responsible for 2,800 thousand workers and 95 thousand Employers. Responsible for defining the architectures for the Super App Trabalhador and Super Portal Empregador, the two largest interfaces business aspects of the Ecosystem, defining and sustaining the integration architecture between the various ecosystem business providers.

### **Via - Casas Bahia/Ponto Frio/Extra.com**

**Mar/2019 to Set/2022** Retail Group 1100 physical stores + ECommerce, Annual revenue R\$28,9 billion (2020),  
Solution Architect, Technical Project Manager, Senior Mobile Dev

- o Responsible for analyzing and modeling architectural solutions for legacy bottlenecks and digital decoupling, application downsizing, implementation of Event Driven architecture based on Apache Kafka stack. Development of projects with Microservices and Serverless architecture in on-premises and cloud infrastructure. Conducting Solution Architecture Design for high performance, scalability and availability of corporate systems in downsizing projects. Leading multidisciplinary development teams on mobile front end and back end projects with Java and Kotlin. Responsible by BC and budget of US\$ 100 M.

### **Anima Educação - Universidade São Judas Tadeu**

**Feb/2019 to July/2021** Brazilian Educational Group with 330k students, 18k employees  
Undergraduate and Postgraduate University Professor

- o Responsible for the subjects of Computational Mathematical Logic, Programming Environments, Network Infrastructure, Programming Languages Java and C.

### **Laboratório de Informática Robótica e Microeletrônica de Montpellier**

**Jan/2018 to Jan/2019** French Government Research Institution/University of Montpellier - Visiting  
Scientist/Researcher

- o Member of the AGROPORTAL project team, responsible for the development of proprietary

software in JAVA for locating, extracting and processing alignments between ontologies in the agricultural area.

- o Researcher of the LINGUA/MEATL@B project, responsible for the development of a system in Java to recommend terms to describe nutrients in foods for the meat industry in France through semantic web techniques for the FOODON ontology. Responsible for the subjects: Software Development Methodology, Software Engineering (MBA in Project Management), Applied Computing, Programming Logic, Introduction to Computing, Programming Languages and Compilers, Mobile Development and Project Management for Engineering courses at Computing, Computer Science, Information Systems and Systems Analysis and Development.

**Jun/2002 to Dec/2008**                      **FIAP – Faculdade de Informática e Administração Paulista**  
National university education company with 3k students. Undergraduate University Professor

- o Responsible for the subjects: Analysis and Modeling of Java Programming, Internet Programming, Introduction to Informatics.

**Jun/2017 to Nov/2019**                      **Shelfpix**  
Startup Tecnologia Mobile - Image Recognition with AI / Mobile Developer / Requirements Analyst

- o Android mobile developer, responsible for improving the performance and solving operational problems of the application to capture images of product shelves for the purposes of statistical surveys of marketing share and sales.
- o Requirements analyst for the post-processing project and tabulation of data collected by mobile devices with the client Coca-Cola, FENSA.

**Sep/2016 to May/2017**                      **LLIÈGE**  
National public management solutions company - Systems Development Coordinator

- o Development of mobile applications aimed at the management of public services, inspection and customer service.
- o Responsible for coordinating a multidisciplinary Android, PHP, JAVA development team for municipal public management systems.
- o Development of systems integration solutions with Mule ESB and Geographic Information Systems with GeoServer, OpenLayers 4 and QGis.
- o Development of integration with the Software Expert process management system.

**Dec/2015 to May/2016**                      **IUAPP – Payment Solutions**  
Startup of mobile payment solutions - Android Mobile Developer

- o Responsible for developing iUAPP mobile applications for P2P payments, mobile application architecture, definition of REST services, UX, PUSH, geolocation, maps, automated tests with Espresso, material design and Google best practices.

**Jun/2015 to Nov/2015**                      **INMOV – Inovação em Movimento (Grupo EICON)**  
Startup service provider in software development for the public sector - Android Mobile Developer

- o Responsible for the inspection products of public works and postures (ActoMobile) and the parking lot control (E-Talonário).

- o Analysis and development of mobile architecture in line with governance standards.
- o Prospection of new technologies and creation of new functionalities focused on software performance, quality and reliability.
- o Creation and maintenance of version control, continuous integration and TDD routines.

**Mar/2014 to  
Oct/2014**

**Peopleway Tecnologia**

National mobile technology company - Mobile Product Development Manager

- o Partner of the company, responsible for creating and implementing the vision and technology planning for the new product: WhatSAC.
- o Development of the new architecture of version 2.0 of the product hosted on the Amazon cloud, which allows for scalability, security and performance.
- o Programming the WhatSAC product prototype and publishing on Google Play.
- o Definition of the architecture for the IOS version and guidance for developers.
- o Support to developers in order to deliver software with high quality and low cost, always with the aim of increasing the company's competitiveness and taking advantage of new business opportunities.
- o Promote continuous improvement and development of work processes.
- o Monitoring and aligning project resources and team structure to support product and operational priorities.
- o Develop the technological talent of the team, train, qualify, hire and manage developers.
- o Research new technologies and business opportunities.

**Sep/2011  
Dec/2013**

**to**

**Auteq Telemática**

Agricultural Automation Company of the John Deere group – multinational in the field of agricultural machinery, Revenue: US\$ 44 billion (2021) - Systems Analyst for Onboard Computers.

- o Development of a system in Java, client server, for post-processing of data coming from computers embedded in agricultural machines.
- o Negotiation of scope, deadlines and development costs with project management and directors.
- o Responsible for researching and selecting new technologies for incorporation into software projects and solving problems related to the interface with servers, volume and data format.

**Dec/2010 to  
May/2011**

**CTIS Tecnologia**

National Information Technology Company with presence in São Paulo, Rio de Janeiro and Brasília, specialized in providing services to the government area – Revenue: US\$ 1,2 billion (2016) - Senior Java Systems Analyst

- o Responsible for requirements gathering, analysis and modeling of academic systems for Universidade Estadual Paulista Júlio de Mesquita Filho (UNESP).
- o Coordination of the implementation of methodology for migration and integration of legacy systems to J2EE.

**May/2006 to  
Jun/2010**

**Grass Roots**

English Multinational Company of Incentive Marketing present in more than 20 countries. Revenue: £33.2 million (2017) - IT Manager - 01/2008 to 06/2010, Business Analyst - 06/2007 to 01/2008, Software Engineer - 05/2006

to 06/2007

- o Management of the IT structure, responsible for software projects, selection and management of third-party services, planning and architecture of IT solutions to support products.
- o Responsible for hiring and training employees, coordinating software and hardware support and coordinating the international team of software engineers.
- o Responsible for project requirements gathering, software development planning and dimensioning, requirements analysis, testing and visiting customers.
- o Systems development in Java/J2EE, PHP, HTML, AJAX, analysis and modeling of Java/EE software.

**Jun/2003 to  
Jun/2004**

**CPqD Telecom**

Largest technology and telecommunications center in Latin America. Revenue: R\$ 223 million (2019) - Java/J2EE System Architect

- o Responsible for the architecture of systems for telecom billing (billing, billing, collection, collection, mediation, for fixed and mobile telephony).
- o Responsible for analyzing and hiring outsourced software development teams.

**Jun/2001 to  
Apr/2003**

**Disoft Solutions**

National company in the field of software for Leasing and CDC: Revenue: R\$ 8.1 million (2011) - IT Director - 04/2002 to 04/2003, Project Manager - 08/2002 to 04/2003, Java Programmer - 06/2001 to 07/2002

- o Responsible for managing the software factory, coordinating project managers.
- o Responsible for preparing and updating the annual budget, coordinating the implementation of CMMI 2, coordinating the adoption of PMI techniques.
- o Responsible for supporting the software and hardware structure of the software factory, hiring and coordinating the team of developers, interfacing the factory with sales, finance, HR, administrative and presidency departments.

Elcio Abrahão