

Carvalho, Jurandi

Requirements Analyst | Functional Analyst | Product Owner



Introduction

I began my career in technology as a Java programmer in 2000. Since then, I have been enhancing my knowledge and applying it in the global market. Today, I am an experienced functional analyst with a solid academic background, including a Postgraduate Degree in Software Engineering and a Bachelor's Degree in Systems Analysis and Development. With years of experience in Agile environments, I stand out for my extensive command of tools and methodologies such as Scrum, RUP, UML, and BPMN. My skills encompass business analysis, process mapping, requirements gathering and specification, testing, and approval, with a specialization in requirements management and planning. I conduct a comprehensive analysis of the business and system, considering the end-to-end product, and I act as a project leader, contributing to the development and enhancement of software products, aligning them with market and client needs. My approach includes agile methods, well-defined sprints, continuous validations, and a focus on effective solutions, reinforcing my proactive and results-oriented stance.

My expertise includes, but is not limited to:

Technical

- Experience with SQL (queries, procedures)
- Knowledge in data modeling (logical and conceptual levels)
- Familiarity with functional analysis techniques (interviews, actor identification, methods, interfaces, and systems)
- Experience with use cases, diagrams, flowcharts, prototypes
- Knowledge in process design, UML/BPMN
- Experience in projects applying Agile Methodologies
- Knowledge of modeling languages (UML, BPMN, SysML, DEMO, others)
- Detailed knowledge of information systems (architecture and organizational design)

Functional

- Gathering functional and non-functional requirements
- Definition and writing of User Stories
- Experience with testing (planning and execution)
- Structuring test plans and scenarios
- Documentation and systematization of functional descriptions (written and graphical)
- Technical and functional analysis, Feature Files, and RUP

Skills

- High proficiency in written and verbal communication
- Analytical and synthesis skills
- Teamwork capability
- Adaptability and flexibility
- Proficiency in English (spoken and written)
- Strong communication skills to serve as the interface between the technical team and the end customer

Responsibilities

- Prepare commercial proposals for business opportunities
- Analyze specifications and design the functional solution
- Collaborate with national and international markets in gathering specifications
- Interact with internal technical teams to describe solutions and obtain estimates
- Collaborate with the marketing team for communication alignment
- Support the structuring of service offerings and the preparation of sales support documentation
- Update business opportunities in the CRM
- Collect, analyze, and document business requirements and User Stories
- Define functional specifications in collaboration with stakeholders
- Create and maintain detailed functional documentation
- Develop test cases and conduct functional testing
- Assist in the implementation and configuration of software solutions
- Support end users during the acceptance testing phase
- Provide ongoing support and training to users
- Participate in project meetings and provide updates on functional aspects
- Work closely with development teams to ensure the delivery of high-quality solutions
- Conduct post-implementation reviews to assess the effectiveness of solutions

Contact

jurandi.carvalho@outlook.com

+55 (61) 98506 – 3808

<https://jcarvalho.ak.github.io/>

<https://www.linkedin.com/in/jurandi-carvalho-85960216a/>

Languages

**Espanish
(Professional Working)**

French(Limited Working)

English (Full Professional)

**Portuguese
(Native or Bilingual)**

Certifications

Software Engineering with a Focus on Quality and Software Testing

Professional Experience

Supero - Better Teams. Better Solutions.
Requirements and Functional Analyst | Product Owner | May 2022 – Present

In my role as an Analyst at Supero, I lead projects from inception, ensuring efficient execution within the established budget. I work closely with a highly skilled team, applying agile methodologies, particularly Kanban, to optimize workflow and deliver value. My responsibilities include comprehensive analysis, data modeling, and documentation to ensure a clear understanding of project requirements. Additionally, I maintain a constant commitment to continuous improvement and effective communication, both internally and externally.

Key Responsibilities:

- Project Leadership:** Manage projects from the initial phase to implementation, ensuring all requirements are met and objectives achieved.
- Analysis and Modeling:** Conduct detailed functional analysis, data modeling, and comprehensive documentation to ensure a clear and precise understanding of project requirements.
- Agile Methodologies:** Utilize agile methodologies such as Kanban and Scrum to optimize processes and continuously improve work practices.
- Technical Documentation:** Prepare and maintain technical and functional documentation, ensuring coherence and transparency throughout the project lifecycle.
- Backlog Management:** Prioritize and manage the project backlog, aligning tasks with client needs and overall strategy.
- Effective Communication:** Regularly interact with internal and external stakeholders to align expectations and ensure customer satisfaction.
- Data Extraction and Analysis:** Use my SQL expertise to extract and analyze data, supporting informed decision-making.

Key Achievements:

- Government Projects:** My previous experience includes projects for public agencies, such as SISBIB for the Federal Senate and SISBACEN for the Central Bank of Brazil, demonstrating my ability to work in complex and regulated environments.
- Continuous Improvement:** Committed to continuous improvement, refining agile practices and promoting efficiency at all project stages.
- Team Leadership:** Collaborated effectively with highly skilled teams, demonstrating leadership skills to maximize efficiency and work quality.

Technical and Functional Competencies:

- SQL and Data Modeling:** Experience with SQL queries, procedures, and data modeling at logical and conceptual levels.
- Functional Analysis:** Proficiency in functional analysis techniques, including interviews, actor identification, methods, interfaces, and systems.
- Documentation and Use Cases:** Creation of use cases, diagrams, flowcharts, prototypes, and detailed documentation using UML/BPMN.
- Process Design:** Advanced knowledge in process design and modeling languages such as UML, BPMN, SysML.
- Agile Methodologies:** Application of agile methodologies for project structuring and management.
- Communication:** Excellent written and verbal communication skills, facilitating the interface between technical teams and end clients.

In summary, at Supero, my focus is to lead projects effectively and efficiently, applying my technical and analytical skills to deliver high-quality solutions that meet client needs. My extensive experience and dedication to continuous improvement make me a highly qualified Functional Analyst committed to project success.



Professional Experience

Mastertecnologia Consulting and Development (8 years and 10 months)

Systems Analyst | June 2013 - April 2022

During my eight years and ten months at Mastertecnologia, I began as a Java developer but quickly transitioned to functional analysis, eventually taking on the role of Product Owner while continuing to work extensively as a functional analyst. My journey was marked by the application of advanced analysis techniques, the development of scalable solutions, and intense collaboration with stakeholders and development teams.

Key Responsibilities:

- Requirements Gathering:** Conducted requirements gathering, prototyping, data modeling, and defined operational and security standards.
- Technical Documentation:** Created Business Cases, Use Cases, diagrams, and detailed documentation to ensure project clarity and transparency.
- Agile Methodologies:** Utilized agile methodologies, such as Kanban and Scrum, to optimize processes and promote continuous improvement.
- Stakeholder Interaction:** Directly engaged with stakeholders to understand their needs and translate these needs into technical and functional requirements.
- Data Extraction and Analysis:** Used SQL to extract and analyze system data, supporting informed decision-making.
- Team Leadership:** Led cross-functional teams, defining schedules, negotiating deadlines and scope, and promoting team capacity building.
- Version Control:** Managed project artifacts using SVN, ensuring traceability and data integrity.
- Development and Analysis:** Developed and analyzed Java applications, using JDK 8 and JDK 11, and applied concepts like CDI and EJB to create reusable components.
- Architecture and Modeling:** Applied various architectural models, including MVVM and MVC, to ensure system efficiency and scalability.

Key Achievements:

- System Implementation:** Created high-performance systems and custom frameworks to optimize processes and maintain uniformity in developed solutions.
- User Interface:** Integrated front-end solutions with JavaScript, Angular, and React, producing dynamic and responsive interfaces.
- Team Capacity Building:** Conducted applicability tests and result evaluations, contributing to team capacity building in agile approaches.
- Project Management:** Managed complex projects, defining schedules, negotiating deadlines and scope, and providing consultancy in requirements gathering, improvements, and system implementation.

In summary, my journey at Mastertecnologia was marked by a combination of technical, analytical, and leadership skills, always focusing on delivering high-quality solutions and continuously improving processes in line with Agile methodology principles.



Others Professional Experiences

CELFINET (Brazil) - Telecommunications Consulting Ltd.
Network and Data Communication Analyst June 2011 - March 2013 (1 year 10 months)

Performed analysis, development, and implementation of computer systems, as well as project management, adhering to standards and quality, usability, integrity, and information security protocols.

Master Computers and Technology Consulting
Entrepreneur and Technology/Network Consultant July 2008 - December 2011 (3 years 6 months)

Founded and managed a company with a team of over thirteen employees, including HR, microcomputer technicians, salespeople, and systems analysts. We provided various services and supplies for system creation, network security, technology implementations and automation, consulting, business intelligence, and technology infrastructure standards for both businesses and individuals.

DEINF/BACEN - IT Department of the Central Bank of Brazil
Systems Programmer October 2005 - June 2009 (3 years 9 months)

Developed systems and provided user support for SISBACEN. Core technology: Java SE 6. The Central Bank Information System (Sisbacen) is a suite of systems and IT resources supporting the Central Bank’s processes. Sisbacen organizes financial data, ensuring transparency and security for institutions and individuals. It collects, records, and stores financial and banking operations data in Brazil, centralizing financial information.

PRODESEN - Data Processing of the Federal Senate
Junior Programmer January 2000 - September 2005 (5 years 9 months)

Developed SISBIB - Library System of the Federal Senate using J2SE 1.4 and SQL. Participated in project planning, conceptual modeling, coding, and maintenance of the system, which included user registration, inventory control, loan processes, entries and exits, and special functions such as rare books and user access level controls.



Academic Background

Centro de Inovação VincIT - UNICIV
Postgraduate Degree, Lato Sensu in Software Engineering with Emphasis on Software Quality and Testing · (November 2019 - April 2021)

FAP - Faculdade de Patrocínio-MG
Bachelor's Degree, Computer Systems Analysis and Development · (July 2016 - December 2018)

Skills and Knowledge

- Languages and Technologies - Full Stack: Java, Angular, React, Android, HTML, PHP, JavaScript (JS), TypeScript (TS)
- Software Architectures: UML: ASTA and SQLiteStudio
- Databases: Firebase, SQL, MySQL, Oracle, MongoDB
- IDEs and Tools: Eclipse, Spring Tool Suite, NetBeans, Visual Studio Code (VSCode), PostgreSQL, Docker, DBeaver, Heroku, Netlify
- Design Patterns: Examples include Factory, Service, Adapter, Observer, VO, DTO, DAO - Microservices Patterns
- Web Technologies and Frameworks: Hibernate, JDBC, Struts, Enterprise JavaBeans (EJB), JBoss and WildFly, H2-CONSOLE, Java Persistence API (JPA), TomCat, Ajax, jQuery, Java Message Service (JMS) and Kafka, Java Server Pages (JSP), Java Server Faces (JSF)
- Web Design and Front-End: SQL (MySQL, Firebase, PostgreSQL, MongoDB, Oracle), XHTML, CSS, Model-View-Controller (MVC), Model-View-ViewModel (MVVM), Bootstrap, Linux or Unix, Relational Data Modeling, Continuous Integration (CI/CD): Git, GitLab, GitHub, Bitbucket, Jira, etc., Cloud Computing: Azure and AWS, Three-Tier Architecture, Domain Driven Design (DDD), User Experience (UX), Test Driven Development: Unit Testing, Debugging, JUnit, Mockito, Report Generation: IReport, JasperReports

Specific Skills

My experience encompasses the use of UML, ASTA, and SQLiteStudio, with expertise in front-end (HTML, PHP, JavaScript, TypeScript, React) and back-end (Java, Firebase, SQL, MySQL, MongoDB). I have solid knowledge in agile methodologies, software quality, business intelligence, clean code, software testing, leadership and people management, strategic business communication, design patterns, usability engineering, configuration management, data architecture and modeling, requirements analysis and specification, team project management with Scrum, custom framework development, messaging with Kafka and JMS, and automated testing with Selenium and Cucumber.

Additionally, I have experience in software development with JDK 8 and JDK 11, J2EE, JPA/Hibernate, JSF/PrimeFaces, CDI, and EJB. I am skilled with Docker, Kubernetes, and Sonar, and I apply Domain Driven Design (DDD) practices and unit testing. I am committed to providing effective and scalable solutions and am enthusiastic about applying my knowledge and experience to future challenges.

My solid career in development and technology has led me to my current role as a Functional and Requirements Analyst, acting as a Product Owner and team leader, with significant experience in Java, SQL, and agile methodologies, along with a proven track record of leading projects from inception to efficient and on-budget delivery. My previous experiences, including government projects, demonstrate my ability to work in public sector environments and reinforce my functional analysis skills.

I am eager to apply my knowledge and experience to projects that push the boundaries of innovation, aligned with the specific requirements of the Functional Analyst position

