Carvalho Jurandi

Functional Analyst

Contact

jurandi.Carvalho@outlook.com

+55 (61) 98506 – 3808

https://jcarvalhooak.github.io/

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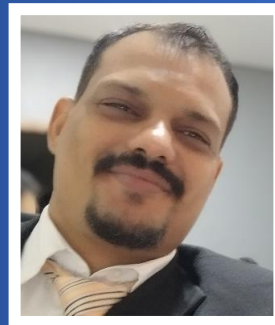
Presentation

With a solid academic background, including a postgraduate degree in Software Engineering and a bachelor's degree in Systems Analysis and Development, coupled with years of experience in Agile environments, I stand out for my extensive proficiency in tools and methodologies such as Scrum, RUP, UML, and BPMN. My skills encompass business analysis, process mapping, requirement gathering and specification, testing, and validation, with a specialization in requirement management and planning. I conduct a comprehensive analysis of both the business and the system, considering the end-to-end product, and serve as a project leader, contributing to the development and enhancement of software products, aligning them with market and client needs. My approach involves agile methods, well-defined sprints, continuous validations, and a focus on effective solutions, reinforcing my proactive and results-oriented stance.

Technical Experience:

As a passionate software engineer, my expertise spans Java development and architecture, with a focus on functional analysis and solid experience in Java 8+ and the Spring Boot framework. My deep knowledge enables me to create efficient and scalable solutions, applying industry best practices. Furthermore, I stay updated with the latest trends in development. I am proficient in advanced technologies such as Selenium, Cucumber, and JavaScript, along with skills in Docker and system integration in the DevOps context. My mastery of SQL allows me to extract data accurately and create relevant reports. I have experience in front-end technologies, especially JavaScript and React.js, ensuring high-quality interfaces and exceptional user experiences.

Experience in Government Projects - Throughout my career, I actively participated in projects and system development for the Brazilian government. Among them, I highlight:
SISBIB for PRODASEN (Federal Senate 2000-2005): Contributed to the creation of the Federal Senate Library System, covering user registration, collection control, and loan flow.
•**SISBACEN for DEINF (Central Bank of Brazil 2005-2009):** Worked on the Central Bank Information System, which collected and recorded data on financial and banking operations in Brazil, promoting transparency and security.
•**ANUNCIADOR for CEL190 (Caixa Econômica Federal 2021):** Participation in specific projects involving Caixa Econômica Federal.

Relevant Knowledge - My experience includes the use of UML, ASTA, and SQLiteStudio, with skills in both front-end (HTML, PHP, JS, TS, 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, architecture and data modeling, requirements analysis and specification, and project management in a team with Scrum. I am committed to delivering effective and scalable solutions, and I am eager to apply my knowledge and experience to future challenges

Languages

Espanhol (Professional Working)
Francês (Limited Working)
English (Full Professional)
Português (Native or Bilingual)

Certifications

Bachelor's degree in Analysis and Systems Development

Postgraduate degree in Software Engineering with Emphasis on Quality and Software Testing

Professional Experience

Supero - Best Teams. Best Solutions.
Functional Analyst | May 2022 – Present

In my role as a Functional Analyst at Supero, I lead projects from their conception, ensuring efficient execution within the established budget. I work closely with a highly competent team, applying agile methodologies, particularly Kanban, to optimize workflow and deliver value. My responsibilities include functional analysis, data modeling, and functional 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 Achievements and Activities:
•Led projects from inception, ensuring efficiency and adherence to budget.
•Collaborated with a highly competent team, demonstrating leadership skills to maximize efficiency and work quality.
•Utilized agile methodologies, particularly Kanban, to optimize workflow and ensure value deliveries.
•Engaged in functional analysis, data modeling, and functional documentation to ensure a clear understanding of project requirements.
•Worked closely with the team to define operational standards, security practices, and essential functionalities.
•Developed and maintained technical and functional documentation to ensure project consistency and transparency.
•Managed the project backlog, prioritizing tasks based on customer needs and the overall strategy.
•Maintained a constant commitment to continuous improvement, refining agile practices over time.
•Interacted with key stakeholders to understand their needs and ensure the project met public sector expectations.
•Utilized my SQL expertise to extract and analyze system data, supporting informed decision-making.
•Demonstrated communication and empathy skills in effective internal and external communication.

Key Competencies:
1.Project Leadership
2.Functional Analysis
3.SQL
4.Agile Methodologies (Scrum)
5.Effective Communication

In summary, at Supero, my commitment is to lead projects from start to finish, applying my technical and analytical skills to deliver high-quality solutions. I am focused on meeting customer needs, maintaining an agile approach, and promoting continuous improvement in all project phases.

Beyond my previous experiences, I would like to highlight my deep understanding of Java and SQL, which are crucial for functional analysis. My experience in government projects, such as SISBIB for the Federal Senate and SISBACEN for the Central Bank of Brazil, demonstrates my ability to work in public sector environments and reinforces my functional analysis skills.

Professional Experience

Mastertecnologia Consulting and Development (8 years and 10 months)
Functional Analyst | *June 2013 - April 2022*

Throughout my eight years and ten months of dedication to Mastertecnologia, my role as a Java Development Analyst was guided by an unwavering commitment to technical excellence and the application of various architectural approaches. I stood out for my ability to conceive and implement innovative solutions, prioritizing the creation of scalable and efficient systems. My experience was based on the combination of in-depth technical knowledge with leadership skills.

Key Achievements and Activities:

•Developed Java applications, emphasizing JDK 8 and JDK 11 versions, creating high-performance systems and adhering to industry best practices.
•Created custom frameworks to optimize processes and maintain consistency in developed solutions.
•Integrated front-end solutions with JavaScript, Angular, and React, producing dynamic and highly responsive interfaces.
•Contributed to the development of J2EE systems, applying concepts such as CDI and EJB to create efficient and reusable components.
•Demonstrated proficiency in different architectural models, including the MVVM pattern, and applied approaches such as the Model-View-Controller (MVC) when necessary.
•Responsibilities included requirement gathering, prototyping, data modeling, and defining operational standards, security, and functionalities.
•Conducted applicability tests and evaluation of expected results, contributing to the preparation and training of teams in agile approaches and continuous improvement.
•As a Functional Analyst/Product Owner, interacted with stakeholders to understand their needs and conducted analyses and technical and functional requirements gathering.
•Used SQL knowledge to extract and analyze system data, creating Business Cases, Use Cases, and diagrams, as well as applying prototyping techniques.
•Collaborated closely with the Java development team, providing guidance and ensuring proper implementation of functionalities.
•Used version control with SVN to manage project artifacts, ensuring traceability and data modeling.
•Led multifunctional teams, defined operational standards, security routines, and promoted team training based on the PDCA cycle and continuous improvement.
•Managed projects, defined schedules, negotiated deadlines and scope, and provided consulting in needs assessments, improvements, system implementation, and team and user training.

In summary, my journey at Mastertecnologia was characterized by a diversity of activities related to software development, combining technical, analytical, and leadership skills to ensure the success of projects in line with Agile methodology principles.

Professional Experience

CELFINET (BRAZIL) - TELECOMMUNICATIONS CONSULTING, LTD.
Network and Data Communication Analyst
June 2011 - March 2013 (1 year 10 months)

I performed analysis, development, and implementation of computer systems, as well as system project management, complying with quality standards, usability, integrity, and information security.

Master Computadores e Consultoria em Tecnologias
Entrepreneur and Technology Consultant
July 2008 - December 2011 (3 years 6 months)

I founded and led a company with a team of over thirteen collaborators, including HR, microcomputer technicians, salespeople, and Systems Analysts. We provided various services and inputs for system creation, network security, technology implementations, automations, consulting, Business Intelligence, and technological structure standards for both companies and individuals.

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

I was involved in system development and user support for SISBACEN. Technology base: Java SE 6. SISBACEN is a system for user registration and control, part of the Information System of the Central Bank (Sisbacen). It organizes financial data, bringing transparency and security to institutions and individuals. Through this system linked to the Central Bank, financial and banking operation data in Brazil are collected, recorded, and stored, aiming for the centralization of financial information.

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

I participated in the development of SISBIB - the Senate Federal Library System. Technologies used: J2SE 1.4, SQL. I contributed to project planning, conceptual modeling, coding, and maintenance of the system, which included user registration, inventory control, loan flow, entries, exits, and special functions such as rare works and access controlled by user access level.

Academic Background

University and Innovation Center VincIT - UNICIV
Lato Sensu Postgraduate, Software Engineering with Emphasis on Quality and Software Testing
(November 2019 - April 2021)

FAP - University
Sándwich Degree, Computer Systems Analysis
(July 2016 - December 2018)

Skills

Languages and Technologies - FullStack: *Java, Angular, React, Android, HTML, PHP, JavaScript (JS), TypeScript (TS)*
Software Architectures - UML: *ASTA and SQLiteStudio*
Databases: *Firebase, SQL, MySQL, Oracle, MongoDB*
IDEs and Related Tools: *Eclipse, Spring to Suite, NetBeans, Visual Studio Code (VSCode), PostgreSQL, Docker, DBeaver, Heroku, Netlife*
Design Patterns - Examples: *Factory, Service, Adapter, Observer, VO, DTO, DAO - Microservices Patterns*
Web Technologies and Frameworks: *Hibernate, JDBC, Struts, Enterprise JavaBeans (EJB), Jboss, WildFly, H2-CONSOLE, Java Persistence API (JPA), TomCat, Ajax, jQuery, Java Message Service (JMS), 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

Agile Methodologies, Software Quality, Business Intelligence, Clean Code, Software Testing, Leadership and People Management, Strategic Business Communication, Design Patterns, Usability Engineering, Configuration Management, Architecture and Data Modeling, Requirements Analysis and Specification, Project Management in SCRUM Team.
Java 8+
Software Architecture
JDK 8 and JDK 11
Selenium and Cucumber, Docker and Kubernetes, Sonar
Development of Own Frameworks
JavaScript, Angular, React
J2EE, JPA/Hibernate, JSF/Primefaces, CDI, EJB
Agile Methodologies (Scrum)
Automated Testing
Domain Driven Design (DDD) and Unit Testing
Messaging with Kafka and JMS

My solid trajectory in the development and technology field has led me here, as a Functional Analyst with significant experience in Java, SQL, and agile methodologies, along with a proven track record of leading projects from conception to efficient and budget-compliant 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 challenge the boundaries of innovation, aligned with the specific requirements of the Functional Analyst position.