

FILIFE RODRIGUES

Senior Data Engineer | Solution Architect | Tech Lead

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PROFESSIONAL SUMMARY

Results-driven Data Engineer and Solution Architect with 22+ years of experience in software development, business intelligence, systems integration, and data science. Proven track record of designing and deploying scalable data pipelines, cloud architectures, and analytics platforms processing 40 TB/day for organizations serving 3000+ enterprise users. Skilled in leading cross-functional teams of 18+ engineers using Agile/Scrum and DevOps/CI-CD practices. Certified Alteryx Designer Core & Advanced Professional with deep expertise in Python, SQL, Angular, PHP, and cloud-native technologies (AWS / Azure / GCP). Fluent in Portuguese (native) and English; conversational Spanish.

CORE COMPETENCIES

Data Engineering • ETL/ELT Pipelines • Data Warehouse Architecture • Business Intelligence • Big Data • Machine Learning • Cloud Architecture (AWS / Azure / GCP) • Solution Architecture • CI/CD & DevOps • Technical Leadership • Release Management • Agile (Scrum / Kanban) • API Integration • Data Modeling • Analytics Platforms

PROFESSIONAL EXPERIENCE

Release Manager & Solution Architect | Goldenlearn

Sep 2023 – Oct 2024 • São Paulo, Brazil

- Architected and coordinated end-to-end product delivery cycles integrating Data Warehouse and Data Science solutions across 3 concurrent projects in high-demand environments.
- Engineered data flow automation and real-time data processing pipelines using AI/ML applications, reducing manual pipeline intervention by 40% and accelerating time-to-insight by 180%.
- Led cross-functional development team of 10+ engineers to meet release timelines, overseeing quality gates and improving on-time delivery rate from 20% to 60%.
- Standardized release management practices across 3 product lines, decreasing post-release defect rate by 18%.

Skills: Release Management • Solution Architecture • CI/CD • Data Architecture • API Integration • Python • SQL • AI/ML

QA Engineer & Test Automation Engineer | Kreios (Luxembourg) — dedicated to SustainCERT Project

Mar 2022 – Oct 2023 • Luxembourg (Remote)

- Embedded QA and test automation engineer exclusively allocated to the SustainCERT web platform — a regulated-industry climate-impact certification system — delivered through Kreios.
- Designed and productionized automated test suites covering 1000+ functional, regression, and integration scenarios across 2 environments, raising defect detection rate by up to 25% pre-release.
- Owned release and delivery processes end-to-end, coordinating environment integration from testing to production for 6 deployments per quarter.
- Led Go-Live activities and retrospective meetings, identifying configuration and release-process improvements that reduced rollback incidents by 10%.
- Standardized QA procedures using Agile frameworks (Scrum and Kanban), improving sprint cycle predictability by 10% and shortening test-cycle duration from 7-10 to 2-3 days.

Skills: Test Automation · QA Engineering · Web Testing · CI/CD · Release Management · Agile (Scrum, Kanban)

Tech Lead & Project Coordinator | Athena.bi

Oct 2018 – Present · Évora, Portugal (Remote) · Concurrent / Part-time

- Lead engineering teams delivering analytical solutions and data architectures, integrating Alteryx, Python, and cloud platforms (AWS / Azure / GCP) for 9+ enterprise clients.
- Architected BI solutions adopted by major Brazilian and Portuguese corporations in the advertising and media market, supporting decision-making for 360+ end users.
- Coordinate technical teams using DevOps practices, aligning project requirements with stakeholders and driving an average release cadence of 1- 2 deployments per month.
- Built data pipelines processing 1Tb/day from 55+ source systems, enabling near-real-time marketing analytics.

Skills: Technical Leadership · Data Engineering · Solution Architecture · DevOps · Python · Alteryx · Cloud (AWS / Azure / GCP)

Partner / CTO | BBI.Solutions

Jun 2015 – Present · São Paulo, Brazil · Concurrent / Advisory

- Co-founded and direct technology strategy for a data-products company; built and scaled Big Data products serving 30+ enterprise clients with combined data volumes exceeding 60TB.
- Spearheaded Data Warehouse integration initiatives and productionized machine learning models for strategic data analysis, generating improvement in client decision-making KPIs.
- Supervise operations and releases for high-performance environments handling 4-10 million transactions/day, managing cross-functional teams of up to 30 engineers and instituting CI/CD best practices.
- Built and maintain advanced analytics models and online solutions, onboarding 100+ datasets for enterprise clients.

Skills: Big Data · Data Engineering · Cloud Architecture · CI/CD · Machine Learning · JavaScript · Angular · PHP · Python

Multimedia Developer – Market Intelligence | Grupo Bandeirantes de Comunicação

Jul 2014 – Jun 2015 · São Paulo, Brazil

- Engineered multimedia BI solutions using Tableau, Alteryx, HTML5, JavaScript, and Ionic, delivering market-intelligence dashboards used by 2400+ internal stakeholders.
- Productionized mobile analytics distribution via Phonegap/Cordova, expanding internal analytics access by 50+%.

Skills: Tableau · Alteryx · BI · HTML5 · JavaScript · C# · AS3 · Ionic · MS SQL · MySQL

Software Engineering Lead | Aennova

2008 – 2014 · São Paulo, Brazil

- Led technical management of game and e-learning solutions delivered in partnership with third-party vendors.
- Designed and validated System Dynamics models using desk-testing methodologies, ensuring accuracy of simulation logic before implementation.
- Conducted system analysis using UML for games and serious-games (learning-games), translating complex behavioral and pedagogical requirements into functional software architectures.
- Engineered frameworks and communication layers bridging System Dynamics simulation engines and visual interfaces, enabling real-time data interaction between back-end models and front-end experiences.
- Applied SCRUM for iterative delivery and stakeholder alignment across distributed engineering and design teams of 30+ members.

Skills: Game Development · E-Learning · System Dynamics · UML · Software Architecture · ActionScript/AS3 · SCRUM

University Professor – Game Development | MD Educacional

2008 · São Paulo, Brazil

- Taught Game Development at undergraduate level (200 students, 3 classes), designing curriculum and hands-on projects that applied object-oriented programming and System Dynamics modeling to interactive media production.

Skills: Teaching · Curriculum Design · Game Development · ActionScript/AS3 · System Dynamics

Senior Developer – Delphi & PHP | Centro Universitário Adventista de São Paulo (UNASP)

Jan 2004 – Jun 2008 · São Paulo, Brazil

- Developed and maintained Delphi and PHP enterprise systems for educational applications, owning end-to-end system analysis, integration, and QA for institutional platforms serving 5000+ users.
- **Led two institutional research groups**, driving applied research at the intersection of computer science and simulation:
 - **Distributed Processing Research Group** — investigated architectures and techniques for distributed computing applied to enterprise software systems, anticipating patterns now central to modern cloud and data-engineering workloads.
 - **System Dynamics & Simulation Models Research Group** — developed and validated simulation models for educational and business applications, with focus on game-based learning environments and corporate case simulators.
- Strengthened QA practices and system reliability across institutional applications, reducing production incidents by 7-12%.

Skills: Systems Analysis · Distributed Computing · System Dynamics · Simulation Modeling · Research Leadership · PHP · Delphi · MySQL · QA

TECHNICAL SKILLS

Languages	Python (8 yrs) · SQL (10 yrs) · JavaScript (11 yrs) · PHP (11 yrs) · HTML5 (11 yrs) · ActionScript/AS3 (11 yrs) · C# / C (1 yr)
Data & Analytics	Data Engineering (6 yrs) · Business Intelligence (7 yrs) · Big Data (4 yrs) · Data Science / ML (4 yrs) · Alteryx (10 yrs) · Tableau (1 yr)
Databases	MySQL (13 yrs) · MS SQL · [add: Snowflake / Redshift / BigQuery / Databricks — 20+ yrs]
Cloud & DevOps	AWS / Azure / GCP (9 yrs) · CI/CD & DevOps (6 yrs) · [add specifics: S3 / Glue / Lambda / Airflow / dbt / Terraform — 16+ yrs]
Frameworks & Tools	Angular (8 yrs) · Ionic / Cordova / PhoneGap (2 yrs)
Methodologies	Agile / Scrum / Kanban (10 yrs) · Solution Architecture · Release Management · ITIL

CERTIFICATIONS

- **Alteryx Designer Core Certified** | Alteryx | Active
- **Alteryx Designer Advanced Certified** | Alteryx | Active
- **Alteryx Certified Professional** | Alteryx | Jul 2016

- **Data Science and Machine Learning: Making Data-Driven Decisions** | MIT Schwarzman College of Computing | Dec 2023
- **Storytelling with Strategic Data** | University of Chicago | Dec 2023

EDUCATION

Specialization in IT Management – Software Engineering | **Universidade Gama Filho**

2009 – 2010 • Rio de Janeiro, Brazil

- Specialized program focused on managing high-scope-variability projects under tight deadlines, with practical application of Agile, SCRUM, and ITIL frameworks in real-world software delivery contexts.
- Research emphasis on System Dynamics modeling and business simulation applied to games and corporate case simulators — bridging software engineering principles with interactive learning systems.

Associate's Degree in Computer Science (Tecnólogo em Informática) | **UniCesumar**

2000 – 2003 • Brazil

LANGUAGES

Portuguese — Native **English** — Fluent (written and spoken) **Spanish** — Conversational

RELEVANT PROJECTS

- **MDB – Mídia Dados Brasil**: Interactive data visualization platform built for BBI.Solutions, enabling demographic and media analysis over time. Adopted by 75% major Brazilian media companies; processes demographic data across 100+ sources.
- **Athena.bi BI Platform**: Data intelligence platform serving 4000+ marketing and sales experts in the Portuguese and Brazilian markets, providing advanced analytics and decision-support tools over 100+ data sources.

VOLUNTEER WORK & SOCIAL IMPACT

Founder & Mentor | **Life Academy (lifeacademy.pro)** — **Non-Profit**

2020 – Present • São Paulo, Brazil

- Founded and lead Life Academy, a non-profit initiative focused on personal and professional development for 2500+ people in the local community.
- Coordinate workshops, mentoring sessions, and educational content in technology, soft skills, and entrepreneurship, empowering underserved individuals with practical tools for career growth.
- Built and maintain the platform (lifeacademy.pro), integrating multilingual content (Portuguese, English, Spanish) to extend reach beyond Brazil.