



Braulio Blanco L., PhD

Solutions Architect BPM & Business Analysis



Luxembourg



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About me

Peruvian engineer in Luxembourg, from BPM consulting to a PhD in AI. Focused on measurable value: better processes, integrated systems and solutions teams adopt.

Work status: EU Blue Card (Luxembourg), no sponsorship needed. Open to travel.

Languages: Spanish (native), English (C1), French (B2), Luxembourgish (A2).

Competences

- Solution architecture
- Integration (REST, SOAP, SOA/ESB)
- Microservices & cloud (Azure, AWS)
- Business analysis & requirements
- BPMN & UML modelling
- BPM suites (IBM BPM, Bizagi)
- Vendor evaluation & PoCs
- Proposals & RFP/RFI responses
- NLP, LLMs, machine learning, knowledge graphs, MLOps, Explainability

Personal strengths

- Proactive, takes ownership
- Fast self-learner
- Team leadership (40+ people)
- Teaching & clear communication

Profile

Solutions architect and BPM specialist with 15+ years of experience across government, banking, pensions, ERP and fintech in Peru, Mexico, the USA and Luxembourg. I analyse business processes and requirements, design end-to-end solutions and integrations (SOA/ESB, REST microservices, BPM suites, cloud), evaluate vendors and run PoCs, and work with stakeholders from discovery to delivery. PhD in AI from the University of Luxembourg.

Experience

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|-------------------|--|--|
| 06/2021 – present | Information Systems Architect & Data Scientist
Yoba S.A. (FinTech, PhD industry partner)
Luxembourg | <ul style="list-style-type: none">• Designed and implemented the end-to-end architecture of a platform that assesses the multidimensional risk of Luxembourg SMEs, taking it from PhD proof of concept to operation.• Fine-tuned multilingual NLP models (BERT, GPT-based) and built knowledge graphs for multi-perspective risk prediction.• Integrated heterogeneous data sources (web scraping and crawling, SQL and NoSQL databases) through containerised REST services orchestrated with Dagster, on Azure and HPC infrastructure.• Designed a microservices architecture with secured REST APIs, CI/CD pipelines.• Defined data quality controls and cleansing for heterogeneous sources (web, SQL, NoSQL). |
| 01/2021 – 05/2021 | Senior BPM & AI Consultant
SANIPES (National Fisheries Health Agency)
Lima, Peru | <ul style="list-style-type: none">• Implemented Bizagi BPM for the organisation's document management process.• Performed data and organizational analysis and proposed an AI adoption model. |
| 08/2019 | Senior BPM Consultant
SANIPES (Remote, Master's summer break)
Lima, Peru | <ul style="list-style-type: none">• Analysed the organisation-wide document management process under new legal requirements.• Designed process improvements covering information, policies, legal constraints and systems, and specified requirements for BPMS automation. |
| 08/2018 | Senior BPM Consultant
Definity First (Remote, Master's summer break)
USA | <ul style="list-style-type: none">• Analysed banking-sector business processes and the systems to be integrated.• Designed process improvements, BPMS automation and the integrated solution architecture. |
| 03/2017 – 04/2018 | Head of Office, Administrative Systems Development
SUNAT (National Tax and Customs Authority)
Lima, Peru | <ul style="list-style-type: none">• Led a team of 40+ responsible for organisation-wide administrative systems and the national payroll system.• Ran technical evaluations of supplier offers and proposals; managed internal and external PoCs.• Drove digital transformation and adoption of new tools; introduced Scrum and improved team productivity and skills.• Owned IBM BPM and IBM Case Management projects at department level.• Designed and implemented an in-house team management system integrated with Jira, adding goal tracking and gamification to increase team engagement and productivity. |

11/2015 – 03/2017	Senior BPM Consultant & BPM Architect Alkimia Consultores	Peru & Mexico
	• Solution integration and ESB architect; analyst and designer on BPM projects; BPMN model auditor. • Implemented and integrated solutions on Red Hat OpenShift. • Wrote technical proposals and RFP/RFI responses. • Analysed, designed and implemented BPM-oriented processes.	
05/2015 – 11/2015	Business Rules Specialist Indra Peru	Lima, Peru
	• Technical lead and liaison between business and IT for Peru's National Pension System. • Analysed, defined and validated business rules derived from pension law; designed and implemented the business rules software.	
11/2014 – 05/2015	Analyst & Programmer Comptroller General's Office (CGR)	Lima, Peru
	• Analysed, designed and implemented the organisation's HR information system. • Evaluated vendor proposals and PoCs.	
12/2011 – 10/2014	Business Analyst → Senior Consultant & BPM Architect Xperta Gestion Emp.	Lima, Peru
	• Elicited, analysed and redesigned business processes for client organisations (AS-IS/TO-BE), and produced functional specifications and user stories. • Project manager leading teams of 5+ to deliver projects. • BPM architect and developer on IBM BPM, Bizagi, BonitaSoft and ProcessMaker.	
03/2011 – 11/2014	Process Management Lecturer University of San Martín de Porres	Lima, Peru
	• Taught Business Process Management to third-year Information Systems students and BPMN in a graduate specialisation programme; undergraduate thesis advisor.	
01/2011 – 12/2011	SOA Consultant & BPM Leader Comptroller General's Office (CGR)	Lima, Peru
	• Defined the organisation's SOA architecture and mentored teams on SOA. • Led a team of 15+ implementing BPM projects. • Wrote technical proposals and RFP/RFI responses, estimated effort for pricing and gave BPM platform demos.	
01/2005 – 10/2010	Junior, Middle and Senior IT Analyst and Consultant, Middle Business Analyst CTN and Clie Peru, ADEXUS, DCI, Delta, Oxinet, MS Consulting	Lima, Peru
	• Analysed and improved sales, logistics and finance processes for MS Dynamics GP ERP implementations; developed extensions for local regulations and client customisations. • Built analytics, operational reports and OLAP cubes on ERP data. • Designed and implemented core ERP, logistics, financial, and sales systems for a diverse portfolio of enterprise clients, including a major textile manufacturer, a top-tier Peruvian commercial fishing enterprise, and an international Oil & Gas exploration firm.	

Personal Projects

2025-2026	Electoral Proposals Platform – Peru 2026 General Elections Microsoft Azure	
	• Designed and built an end-to-end platform that collects, processes, analyses and presents the programme proposals of the 2026 presidential and parliamentary candidates in Peru. • Processed every candidate at national scale: CVs, photos and party affiliation for 10,000+ candidates (35+ presidential tickets, the new bicameral Congress and the Andean Parliament), linked to each party's proposals. • Full pipeline on Microsoft Azure, from web scraping and data processing to analysis and public presentation of results. • Analytics delivered: text analysis of the parties' government plans; statistical dashboards and cross-referenced maps; legislative track-record analysis of incumbents running for re-election; public social media profile analysis of the main parties and presidential candidates. • LLM-based text analysis and summarisation.	

Education

- 2021 – 2025 PhD in Informatics (AI & Deep Learning)
University of Luxembourg, in partnership with Yoba S.A. Luxembourg
Predicting the multidimensional risk of SMEs from textual data: web scraping and crawling, ML, DL, NLP and graph technologies integrated into an ecosystem of risk assessment services.
- 2018 – 2020 MSc Big Data Management & Analytics (Erasmus Mundus BDMA)
CentraleSupélec, Paris / UPC, Barcelona / ULB, Brussels
Machine learning specialisation; data analysis, process management and BI, graph management, big data management and cloud computing.
- 2020 Master's Thesis Internship
Sorbonne University Paris
Prediction and explainability of the quality of human/agent interactions.
- 2003 – 2008 Bachelor in Information Systems
University of San Martín de Porres (USMP) Lima, Peru
Graduated 1st in the Information Systems programme and 2nd in the Faculty of Engineering.

Training

- 2024 Enterprise Architecture Foundation with TOGAF 10 Standard. Udemy
- 2022 Apache Spark with Scala – Hands-on with Big Data. Udemy
- 2020 AWS Solutions Architect – Associate: exam preparation course. Udemy
- 2020 Process Mining: Data Science in Action. Eindhoven University of Technology.

Certifications

- 2015 IBM Certified Application Developer – Operational Decision Manager Advanced v8.7
- 2014 OCEB Certified Expert in Business Process Management
- 2011 ITIL v3 Foundation

Technical Skills

- Architecture SOA, ESB, microservices, REST/SOAP web services, TOGAF, Zachman Framework
- AI & Data Python, PyTorch, NLP (BERT, GPT-based models), Apache Spark, Hadoop, Tableau, SageMaker, Jupyter, RapidMiner, scikit-learn, pandas, spaCy/NLTK, Hugging Face Transformers, LangChain, Azure ML
- Graphs Neo4j, Virtuoso, SPARQL, Protégé
- Integration Docker, Dagster, Talend, SQL Server Integration Services (SSIS), VMware
- Cloud Microsoft Azure, AWS
- Databases PostgreSQL, MongoDB, SQL Server, Oracle
- BPM IBM BPM, Bizagi, BonitaSoft, Red Hat jBPM, ProcessMaker; process mining with ProM and Disco
- Programming Python, Java, R, PHP, C#, VB.NET
- Methods SCRUM, RUP, Microsoft Project, BABOK (IIBA)
- Modelling UML, BPMN, ArchiMate, ERD, EPC, DFD
- Tools GitHub, Jira, SharePoint, ServiceNow