

NIL ALISSON A. PEREIRA

Senior Requirements Analyst | Applied GenAI | Transitioning to AI Engineer

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SUMMARY

Requirements and Business Analyst with 10 years translating complex rules into clear, testable, auditable specifications, in highly regulated environments (ANVISA, Petrobras, SEFAZ-PB, SEE-PB). Actively and publicly transitioning into AI Engineering: I am building, step by step, a production RAG platform on AWS (Bedrock, S3 Vectors) for regulatory document analysis, with full traceability from requirement to evidence. International experience evaluating LLM quality (Turing, Outlier AI). M.Sc. candidate in Computer Science (UFPB), researching LLM-assisted Requirements Engineering.

SKILLS

- Requirements Engineering: discovery, elicitation, functional and non-functional requirements, user stories with BDD/UAT, traceability, prioritization (MoSCoW/WSJF)
- Applied GenAI: RAG architecture (Amazon Bedrock, Titan Embeddings, S3 Vectors), prompt engineering, LLM evaluation (SxS, fact-checking), Python (basic-intermediate, actively evolving via public project)
- Cloud & Integration: AWS (Bedrock, S3, Lambda, IAM), REST APIs, automation with n8n, Typebot, MCP protocol (applied study)
- Product & Agile: backlog management, Scrum/Kanban, Jira, Confluence, prototyping (Figma/Miro), BPMN (Bizagi)

FEATURED PROJECT — REGULATORY RAG ON AWS

Public, in-progress case, documented step by step: a GenAI (RAG) document analysis platform for a regulated environment, from requirement to evidence.

Repository: github.com/nilalisson14/case-ba-re-aws-genai

- User stories and non-functional requirements mapped directly to AWS architecture decisions (Bedrock, S3 Vectors, IAM, CloudWatch)
- Deliberately designed a corpus with a divergence between two versions of the same document, validating whether the system retrieves the corrected version — a real reliability test in a regulated context
- Functional RAG Knowledge Base (Titan Embeddings V2 + S3 Vectors) with answers citing source, page, and exact excerpt
- In-progress next steps: API exposure (Lambda), quality evaluation with RAGAS, and agent exposure via the MCP protocol

PROFESSIONAL EXPERIENCE

Business Requirements Analyst

Jan 2024 – May 2026

Spassu — Client: ANVISA · Remote

- Discovery and elicitation of functional and non-functional requirements for a portfolio of 50+ critical public health regulatory systems, including SNCR (National Prescription Control System).
- User stories with BDD/UAT acceptance criteria and continuous backlog refinement in Scrum.
- Applied GenAI/LLMs to accelerate regulatory analysis and validate consistency across rules, screens, and integrations.

GenAI Consultant (Freelance)

Feb 2024 – Jan 2026

Turing · Outlier AI · LIFEE · Remote

- Senior LLM response evaluation (side-by-side) and structured fact-checking, identifying hallucinations and inconsistencies, with error-pattern documentation for RLHF.
- LIFEE: built conversational chatbots (Typebot + ChatGPT API + n8n) and translated business needs into automated flows.

Business Requirements Analyst

Sep 2021 – Feb 2024

Minsait (Indra) — Clients: Petrobras (SIGITEC) and SEFAZ-PB · Remote

- Elicitation with technical and business stakeholders and refined user stories on the SIGITEC (Petrobras) project.
- Process mapping with Bizagi BPMN and modernization of tax and financial workflows at SEFAZ-PB.

EDUCATION, CERTIFICATIONS & LANGUAGES

- M.Sc. in Computer Science — Requirements Engineering & LLMs, UFPB (in progress)
- MBA in IT Governance, Universidade Cruzeiro do Sul · B.Sc. in Information Systems, UFPB
- AWS Certified Cloud Practitioner · Scrum Foundation Professional Certification (SFPC)
- Portuguese: native · English: B2 (technical reading and writing; verbal fluency in active development)