

JORGE MESQUITA

BACKEND DEVELOPER · PYTHON · SQL · APIS · AUTOMATION

SUMMARY

I am Jorge Mesquita, a backend developer. I study Analysis and Systems Development at Senac and Software Engineering at UNIFG. I work with Python, SQL and process automation: scripts and tools that take manual work out of the way, API integration and data handling. I also study Linux, object-oriented programming and good development practices. The discipline comes from before code, from my time at the Brazilian National Police Academy.

Seeking: Junior/Mid Backend Developer role · freelance and collaborations

EDUCATION

Analysis and Systems Development

Centro Universitário Senac · through Embarque Digital ·
Jul 2026 to Aug 2028

Software Engineering

UNIFG · year 1 of 4

LANGUAGES

Advanced English · Intermediate Spanish · Beginner French,
Italian, Chinese and Russian

SKILLS

BACKEND · FOCUS

Python · SQL · APIs REST · Java 17 · Spring Boot 3 · Flask ·
Django · Swagger / OpenAPI · JUnit 5 · Maven · Object-oriented
programming

FRONTEND

TypeScript · React 19 · Next.js · Vite · Tailwind CSS · Zustand ·
Framer Motion · Recharts · Three.js · GSAP

COURSES AND CERTIFICATION

Digital Safety and Security Awareness

Cisco Networking Academy · OpenEDG · Sep 2026

Languages

Duolingo · English, Spanish, French, Italian,
Chinese, Russian

Languages & frameworks

Self-taught · The Odin Project and online courses ·
everything in Skills

DATA & AUTOMATION

Process automation · Pandas · PostgreSQL · DuckDB · Streamlit ·
Drizzle ORM · Zod

INFRA, QUALITY & DELIVERY

Git / GitHub · GitHub Actions · Docker · AWS · Linux ·
Cloudflare Pages · Dr · KV · Vite · pytest · Information security
& privacy · Data validation

PROJECTS

Desafio Itaú: API de Transações · Backend · REST API · github.com/Rxmainless/desafio-itaubackend

REST API in Java/Spring Boot for Itaú Unibanco's technical challenge: records transactions and computes real-time statistics for the last 60 seconds, with validation, correct HTTP responses, Swagger and health checks.

Dash Digital · Data · ETL · Dashboard · github.com/Rxmainless/Dash-Digital

Cross-references Porto Digital's official figures with Recife's open data and the public startup directory to measure the real size of the city's tech ecosystem.

Lumen Algorithm Lab · Education · Visualization · github.com/Rxmainless/Lumen-Algorithm-Lab

Interactive lab that shows what the computer is doing during execution: 6 sorting algorithms, step-by-step narrative, real call stack, live metrics and per-action sound.

ONDA Feedback · Web · Security · Privacy

Fully anonymous student feedback inbox with an admin panel to reply and manage. Argon2id + JWT login, rate limiting and CSV/JSON export.

RadarPME · Data · Automation

Finds, enriches and ranks Brazilian SMBs with objective signs of weak digital presence from public CNPJ data, producing a prioritized action queue. Local, zero operating cost.

Spotify UX · UX/UI · Analysis · github.com/Rxmainless/spotify-ux-analise

Interactive UX/UI analysis of Spotify.

Skill Map 3D · 3D · Mechanical animation

A 3D map where each skill is a city raised by gears, cables and platforms. It is the same machine that builds the towers of this portfolio.