

LUANDERSON MENDES

Software Engineer · Java & Spring Boot Backend · Applied AI · DevOps & Cloud

Brazil · Open to remote work and relocation

contato@luanderson.dev.br

+55 67 99195-0581

linkedin.com/in/luanderson-dev

github.com/Luanderson-Dev

PROFESSIONAL SUMMARY

Software Engineer with over 4 years of experience designing, building, and securing distributed applications, scalable RESTful APIs, and microservices architectures. Core expertise in Java (17/21/25) and Spring Boot, including Spring Security for authentication and authorization (JWT, OAuth2), complemented by strong hands-on experience with Kotlin, Python, C#/ .NET, Node.js, and TypeScript.

Extensive experience with event-driven systems and asynchronous processing (Kafka, RabbitMQ) and with data modeling and optimization across relational (PostgreSQL, MySQL, SQL Server) and NoSQL (MongoDB, Redis) environments. I treat the business problem as the main driver of architecture decisions and API contracts, so the technical solution delivers real value.

DevOps/DevSecOps culture in daily practice: cloud infrastructure (AWS, Azure, GCP) with Docker and Kubernetes, CI/CD pipelines, and full observability stacks, always backed by automated tests, SOLID, and Clean Code. Comfortable managing several concurrent projects independently while coordinating with distributed frontend, DevOps, and product teams.

Currently focused on Artificial Intelligence applied to software engineering: integrating LLMs and autonomous agents into products (LangChain4j, OpenAI, OpenRouter, Ollama) and into the development cycle itself (Claude Code, Codex), while running an independent AI-powered SaaS product and a developer mentorship program.

PROFESSIONAL EXPERIENCE

Full Stack & AI Software Engineer

Jul 2026 – Present

Yomatico · Lisbon, Portugal · Remote

Development of end-to-end software and Artificial Intelligence solutions focused on real business problems, from the user interface to data orchestration and AI agents, delivering durable software without unnecessary complexity.

- AI engineering and agents: building and orchestrating AI agents in Python for decision support and replacing repetitive manual work.
- LLM integration: language models via OpenRouter and local model execution via Ollama, applying technical judgment to model selection and usage.
- Frontend: clear, responsive, and efficient web interfaces in React and TypeScript, focused on usability and reducing operational friction for users.
- Backend and data: modeling resilient architectures and reliable relational data structures in PostgreSQL.
- DevOps: containerization and standardization of development and production environments with Docker.
- Close daily collaboration with distributed frontend, product, and DevOps stakeholders; use of Claude Code and Codex to accelerate delivery while keeping code clean, modular, and well documented.

Software Development Consultant

Jul 2026 – Present

iQube IT Consulting · Lisbon, Portugal

Development and maintenance of backend solutions, systems integration, and application evolution, with a focus on quality and software engineering best practices.

Full Stack Developer

Jan 2022 – Present

Self-employed / Freelance · Remote

End-to-end development for clients and freelance projects, turning business needs into scalable, high-impact solutions.

- Architecture and backend: RESTful APIs and microservices in Java (Spring Boot) and C# (ASP.NET Core), applying Clean Architecture, SOLID, and DDD to distributed systems.
- Data and security: high-performance modeling in PostgreSQL, MySQL, and MongoDB with JPA/Hibernate and EF Core; access control with Spring Security, ASP.NET Identity, and JWT.
- DevOps and observability: Docker containerization, CI/CD pipelines, structured logging, and continuous production monitoring.
- Quality: automated tests with JUnit/Mockito (Java) and xUnit/Moq (C#), focused on preventing regressions.
- Full stack and integrations: React and TypeScript interfaces; complex integrations through external APIs and webhooks.

- Product engineering: requirements gathering with stakeholders, expectation management, and version control (Git/GitHub) from planning to deployment.

Infrastructure & Systems Analyst · Backend Developer

Oct 2023 – Nov 2025

Inserti Soluções em TI · Campo Grande, MS, Brazil

Software Engineering, DevOps, and Infrastructure: automation, observability, systems integration, and support of corporate environments.

- Design and evolution of RESTful APIs in Java (Spring Boot) and C# (.NET), including authentication and authorization flows secured with Spring Security (JWT); optimizations resulting in a 30% increase in scalability and a 20% increase in overall system performance.
- High-performance, low-latency data modeling combining PostgreSQL, SQL Server, MongoDB, and Redis for distributed architectures, including administration, advanced queries, and performance analysis.
- Resilient integrations between internal and third-party systems; AI-powered automations and chatbots with Python and n8n to streamline support and operations processes.
- Full observability stack (Prometheus, Grafana, Loki, Zabbix) with dashboards, metrics, and structured logging: sustained 99.9% SLA and a 60% reduction in Mean Time to Resolution (MTTR).
- Management of Microsoft Azure environments (VMs, Storage, Networking) and orchestration of containerized microservices with Docker and Kubernetes, driving a 40% gain in operational efficiency.
- CI/CD pipelines with Azure DevOps, GitHub Actions, and Jenkins for continuous deployments and fast hotfixes; TDD with high test coverage (JUnit, Mockito), code reviews, GitFlow, and agile rituals (Scrum/Kanban).
- Support of Windows and Linux environments, monitoring of critical services, and advanced troubleshooting.

Technical Support Analyst

May 2023 – Aug 2023

DigitalNet · Campo Grande, MS, Brazil

- Diagnosis and resolution of connectivity incidents in residential and corporate environments, focused on network stability.
- Configuration and support of network equipment (routers, switches, access devices).
- Direct customer-facing technical support, building a solid foundation in communication and problem solving.

INDEPENDENT PROJECTS & INITIATIVES

Evolui CV · Intelligent resume analysis with AI

Apr 2026

evoluicv.luanderson.dev.br · github.com/EvoluiCV/evoluicv

- AI-powered full stack application that simulates technical recruiter evaluations and returns automated feedback to candidates; designed, built, and shipped independently end-to-end, from architecture to deployment.
- Traction and reliability: over 1,000 unique users and 1,000 analyses processed in the first week, with 100% uptime in production.
- Microservices backend with Java 25 and Spring Boot 3.5; prompt orchestration and natural language processing with OpenAI via LangChain4j.
- Frontend in Next.js 16, React 19, and TypeScript; PostgreSQL persistence and scalable caching with Redis; automated cloud deployment via CI/CD and Docker.
- High automated test coverage, with rigorous application of Clean Code, SOLID, and Design Patterns.

SecureAuthApp · Enterprise authentication system

github.com/Luanderson-Dev/secure-authentication-app

- Full stack, production-ready, containerized reference application demonstrating secure JWT authentication and Clean Architecture.
- HttpOnly/SameSite cookie-based JWT with short-lived access tokens and silent refresh, avoiding XSS-prone localStorage token storage; passwords hashed with Argon2id plus a server-side pepper.
- C#/.NET backend with Entity Framework Core in strict layers (Domain, Application, Infrastructure, API), following SOLID and Dependency Inversion; automated retry logic for resilient database startup in Docker.
- Next.js (App Router) frontend using Server Components to read HttpOnly cookies server-side; full unit test suite (xUnit, Moq, FluentAssertions) covering token generation and password hashing; Docker Compose.

TECHNICAL SKILLS

Languages	Java (17/21/25), Kotlin, Python, C#, TypeScript, JavaScript, Go
Backend & Frameworks	Spring (Boot, Security, Data, Cloud), ASP.NET Core, Node.js, JPA/Hibernate, Entity Framework Core
Frontend	React, Next.js, TypeScript
AI & LLMs	LangChain4j, OpenAI, OpenRouter, Ollama, AI Agents, RAG, Prompt Engineering, MCP, n8n, Claude Code, Codex
Architecture & Engineering	Microservices, RESTful APIs (API First), Event-driven architecture, Clean Architecture,DDD, SOLID, OOP, Design Patterns
Security	OAuth2, JWT, Spring Security, ASP.NET Identity, Argon2id, Data protection best practices
Messaging & Data	Kafka, RabbitMQ, PostgreSQL, MySQL, SQL Server, MongoDB, Redis, Elasticsearch
DevOps & Cloud	Docker, Kubernetes, AWS, Microsoft Azure, GCP, GitHub Actions, Jenkins, Azure DevOps, Linux, Windows Server
Observability	Prometheus, Grafana, Loki, Zabbix, Structured logging
Quality & Methodologies	TDD, BDD, JUnit, Mockito, xUnit, Moq, Clean Code, Code Review, Git/GitFlow, Scrum, Kanban

EDUCATION

Postgraduate Degree in Applied AI Engineering	in progress	Aug 2026 – Aug 2027
UniPDS · Remote		
AI Engineering and LLMs · Generative AI · RAG (Retrieval-Augmented Generation) · Autonomous Agents and Agentic AI · Model Context Protocol (MCP) · AI System Architecture · AI APIs and Model Integration · Data Processing and Fine-Tuning · AI Security and Governance · AI applied to DevOps and Software Development		
Postgraduate Degree in Artificial Intelligence and Machine Learning	in progress	Jan 2025 – Jun 2027
Universidade Cruzeiro do Sul · São Paulo, Brazil		
Machine Learning · Deep Learning · Computer Vision · Natural Language Processing · Data Analysis		
Bachelor's Degree in Computer Engineering	in progress	May 2022 – Dec 2026
UNIFRAN · Universidade de Franca · São Paulo, Brazil		
Data Structures · Algorithms · Object-Oriented Programming · Computer Networks · Information Security · Cloud Computing		

CERTIFICATIONS

- Cloud Fundamentals, Administration and Solution Architect
- DevOps
- Java · Object-Oriented Programming
- C# · Object-Oriented Programming
- IT Infrastructure Management

LANGUAGES

Portuguese	Native
English	Advanced (C1)
Spanish	Intermediate (B1)
Italian	Intermediate (B1)
French	Basic
German	Elementary