

Luis Eduardo

Senior Backend / Python Engineer

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PROFESSIONAL SUMMARY

Backend Software Engineer with 5+ years of professional software development experience, with strong hands-on experience in Python, Django, Django REST Framework, FastAPI, AWS, REST APIs, distributed systems, automated testing, CI/CD, observability, and Docker. Experienced building and evolving backend systems for large clients and high-traffic products, including solutions supporting thousands of users. Strong background in AWS-enabled backend architecture, cloud infrastructure, integrations, data processing, automation, and performance/reliability, combined with practical .NET experience in production systems. Comfortable working on new initiatives, evaluating technologies, building integrations and PoCs, troubleshooting complex systems, and collaborating across teams. Currently focused on Python backend engineering and scalable cloud solutions.

CORE MATCH FOR THE ROLE

- Python / FastAPI: Python backend development with Django/DRF and FastAPI; Python has been a core technology across multiple projects and roles.
- AWS / Serverless Backend: Hands-on AWS experience across backend infrastructure, APIs, integrations, CI/CD and cloud-based solutions; experience with AWS Lambda, SAM, EventBridge, CloudFront, S3, ECS and RDS.
- .NET: Production experience developing and maintaining Node.js/.NET applications at Webmotors, plus current exposure to C#/.NET projects.
- Testing & Quality: Automated testing integrated into backend development, with focus on maintainability, reliability and software quality.
- Observability & Performance: Datadog observability experience and practical troubleshooting/performance improvement across cloud and high-traffic systems.
- Automation / Data Workflows: Process automation, scheduled jobs, data processing, external integrations, Pandas/DataFrames, RPA and high-volume backend workflows.
- Delivery & Collaboration: GitLab CI/CD, Docker, Agile/Kanban/Scrum environments, architecture discussions, cross-team collaboration and business-focused problem solving.

PROFESSIONAL EXPERIENCE

Laborit — Backend Software Engineer | Feb 2022 - Present

Backend engineering for internal products and solutions for large enterprise clients, with emphasis on architecture, scalability, reliability, software quality and robust API development.

- Technologies: Python, Django, Django REST Framework, FastAPI, TypeScript, Node.js, NestJS, PostgreSQL, AWS, Docker, GitLab CI/CD, REST APIs, automated testing, observability and Generative AI.
- Design and develop backend services and APIs, integrating external services and business workflows while maintaining modular and maintainable architectures.
- Work with AWS infrastructure and CI/CD pipelines, supporting reliable development and delivery across environments.
- Contribute to automated testing, observability, performance improvements and troubleshooting of backend systems.
- Work on AI-powered and data-driven solutions involving LLMs, automated KPI analysis, integrations and conversational workflows.

Selected Projects

- Haigen Concierge Marketplace API: Backend platform using NestJS, TypeScript, Prisma and PostgreSQL with modular architecture and multi-tenant support. Implemented AI chat with SSE streaming, AI agents, WhatsApp integration through Meta, JWT/OAuth/MFA authentication, Redis caching, AWS infrastructure, CI/CD and Datadog observability.
- Santander Store: Backend development for an internal marketplace used by thousands of Santander employees, focused on scalability, integrations and reliability.
- Santander Turbo Portals: Development and maintenance of a financing management platform used by thousands of consultants; delivered features, bug fixes, performance improvements and business intelligence indicators.
- Cockpit System: AI-powered platform supporting strategic decision-making through LLM/GPT-based automated KPI analysis and insight generation.
- Laborit Corporate Website: Complete backend development with Django, including APIs and integrations.

Webmotors — Backend Software Engineer | Jul 2022 - Oct 2024

Worked embedded in a team developing and maintaining APIs and applications for high-traffic digital products using Node.js and .NET, with involvement in cloud infrastructure, CI/CD and observability.

- Technologies: Node.js, .NET, AWS, Docker, Datadog, CI/CD and REST APIs.
- Developed and maintained backend APIs and applications supporting high-traffic consumer products.
- Contributed to cloud infrastructure, deployment practices, monitoring and troubleshooting.
- Worked on platform evolutions with measurable impact on traffic, lead generation, conversion and user experience.

Selected Projects

- Discover 0 KM Vehicles: Vehicle discovery platform supporting Webmotors' growth strategy; contributed to platform evolution reaching 102.8% of the semiannual organic audience growth target in May 2024.
- WM1: Automotive content portal; contributed to improvements reaching a record 1.8 million visits.
- FIPE Table: Vehicle pricing platform; contributed to improvements associated with 1.5 million visits, 115.6% increase in lead generation and 5.8% reduction in bounce rate.
- 0 KM Vehicle Catalog: Catalog with specifications, comparisons and reviews; contributed to evolutions reaching 499,000 visits, 15.4% WoW organic traffic growth and an A/B test with 51.7% conversion for financing simulations.

IT Green Tecnologia — Python Developer | Jul 2021 - Jan 2022

- Developed Python solutions for backend APIs, process automation, scheduled jobs, system integrations and data processing.
- Built REST APIs with Flask and automation workflows; processed PDFs and Excel files and manipulated data with Pandas/DataFrames.
- Worked with MySQL/MariaDB, web scraping and computer-vision/OCR solutions using OpenCV, Tesseract, PyAutoGUI and Pillow.
- Created PoCs for client presentations and evaluated technical approaches for business problems.

GEMPI — Oracle / SQL Server Database Administrator | Jun 2021 - Jul 2021

Supported Oracle databases through maintenance, security, availability, SQL/PLSQL routines, permissions, backup/recovery monitoring, and database integrity and performance-related analysis.

EARLIER EXPERIENCE

CSU BR — Back Office Employee | Sep 2020 - Mar 2021 · Operational support, data updates and corporate systems.

Brazilian Army — IT Support Soldier | Mar 2019 - Mar 2020 · Technical support, troubleshooting, computer/peripheral installation and IT infrastructure maintenance.

TECHNICAL SKILLS

- Languages: Python, TypeScript, JavaScript, C#/.NET, SQL
- Python: FastAPI, Django, Django REST Framework, Flask, Pandas
- Cloud / AWS: Lambda, SAM, EventBridge, CloudFront, S3, ECS, RDS; AWS backend infrastructure and APIs
- Backend: REST APIs, distributed systems, integrations, authentication (JWT/OAuth/MFA), SSE, Redis, data processing
- DevOps: Docker, GitLab CI/CD, automated deployment, Linux, scripting, monitoring/observability
- Databases: PostgreSQL, MySQL, MariaDB, Oracle, SQL Server, Prisma
- Quality: Automated testing, software quality, performance troubleshooting, maintainable architecture
- AI / Automation: LLMs, GPTs, AI agents, RPA, web scraping, OCR, process automation
- Ways of working: Agile, Scrum, Kanban, cross-team collaboration, technical problem solving

EDUCATION & CERTIFICATIONS

Impacta Tecnologia — Technologist, Systems Analysis and Development | Jan 2020 - Dec 2021

- Scrum Foundation Professional Certificate (SFPC)
- API with Django 3: Versioning, Headers and CORS
- TypeScript Part 1: Evolving JavaScript
- Oracle SQL and PL/SQL Database

LANGUAGES

Portuguese: Native English: Conversational Spanish: Basic