

Luis Eduardo

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BACKEND SOFTWARE ENGINEER

SELECTED ENGINEERING IMPACT

50%+	API response-time reduction through query and index optimization	3x	Faster CI/CD execution through pipeline optimization
1.8M+	Visits reached by a Webmotors automotive content platform	115.6%	Lead-generation growth associated with FIPE platform improvements

PROFILE

Backend Software Engineer with 5+ years of experience building APIs, backend services, integrations and distributed systems for enterprise and high-traffic products. Strong track record in performance optimization, cloud cost reduction, infrastructure modernization, CI/CD and production reliability. Experienced with NestJS, TypeScript, Python, Django, .NET, PostgreSQL, AWS, Docker, observability and AI-powered applications. Contributed to platforms used by thousands of enterprise users, healthcare users and public-sector agents, as well as automotive products reaching millions of visits.

PROFESSIONAL EXPERIENCE

Laborit Backend Software Engineer	Feb 2022 – Present
• Performance: optimized critical database queries and indexing strategies, cutting response times by 50%+ in key backend flows. • Cloud efficiency: identified and removed unused EC2 capacity, optimized load balancing, and automated non-production environment scheduling to eliminate unnecessary infrastructure runtime and AWS spend. • Infrastructure modernization: migrated traditional always-on workloads to serverless architectures, significantly reducing infrastructure cost and operational overhead by aligning compute consumption with actual demand. • CI/CD: optimized pipeline workflows and execution steps, making CI/CD pipelines approximately 3x faster and shortening developer feedback cycles. • AI & integrations: implemented conversational SSE streaming, AI agents and WhatsApp/Meta integrations for vehicle search, financing simulations and proposal workflows. • Enterprise scale: contributed to Santander Store and Santander Turbo Portals, systems used by thousands of employees and consultants, alongside LLM-powered KPI analysis and Django-based products.	
Webmotors Backend Software Engineer	Jul 2022 – Oct 2024
• Developed and maintained backend services for high-traffic automotive products using Node.js, .NET, AWS, Docker, Datadog and CI/CD. • Contributed to automotive platforms reaching 1.8M visits (WM1), 1.5M visits (FIPE) and 499K visits (0 KM Vehicle Catalog). • Contributed to improvements associated with +115.6% lead generation, 15.4% WoW organic traffic growth and a 51.7% financing-simulation A/B test conversion rate.	
IT Green Tecnologia Python Developer	Jul 2021 – Jan 2022
• Developed backend solutions and process automation for platforms used by thousands of patients and users, including healthcare systems for appointment scheduling and workforce/shift management. • Built Flask REST APIs, automated operational workflows and scheduled processes using Python, Pandas, MySQL/MariaDB, OpenCV and Tesseract OCR.	
GEMPI Oracle / SQL Server Database Administrator	Jun 2021 – Jul 2021
• Supported geospatial database systems and applications for infrastructure and public-sector clients, including Sabesp and gas pipeline operations. • Maintained database environments supporting systems used by hundreds of public-sector and operational agents, covering SQL/PLSQL, permissions, backup/recovery, integrity and availability.	

TECHNICAL EXPERTISE

Backend: NestJS · TypeScript · Node.js · Python · Django · Django REST Framework · FastAPI · Flask · .NET/C# · REST APIs · SSE
Data: PostgreSQL · Prisma · Redis · MySQL/MariaDB · Oracle · SQL Server
Cloud & DevOps: AWS · Docker · GitLab CI/CD · GitHub Actions · Lambda · ECS · S3 · RDS · EventBridge · CloudFront · Datadog
Architecture & Security: Modular Architecture · Multi-tenancy · Clean Architecture · SOLID · DDD · JWT/OAuth/MFA · RBAC · Automated Testing
AI: LLM Integrations · AI Agents · WhatsApp/Meta · SSE Streaming · Generative AI

EDUCATION

Impacta Tecnologia
Technologist, Systems Analysis and Development · 2020–2021

CERTIFICATIONS

EF SET English Certificate — **C1 Advanced** · [Certificate](#)
Scrum Foundation Professional Certificate (SFPC)
DevOps Essentials Professional Certificate (DEPC)