

Leonardo Hemming

Senior Full-Stack Engineer | React · Node.js · TypeScript · AWS | LLM & AI Agents | Remote, US hours

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Professional Summary

Full-stack engineer with 7+ years building production systems in React, Node.js and TypeScript, from payment gateways to high-traffic web applications. Most recently built and optimized a headless storefront serving 1M+ monthly sessions with Lighthouse 90+ and full Datadog observability. Led an AI-powered healthcare SaaS in Luxembourg and built a PCI-DSS payment gateway processing 500K+ transactions a year at 99.9% uptime. Top 1% freelancer on Workana. I care about performance, observability and shipping AI features that actually get used.

Work Experience

Workana – Freelance Software Engineer

Jan 2020 – Present

- Full-stack and backend engineer for startups and established businesses worldwide, owning projects from architecture to deployment.
- Delivered 30+ projects to 15+ international clients with a 100% on-time delivery record.
- Ranked in the top 1% of Workana freelancers, with consistent 5-star reviews for code quality and communication.
- Improved API throughput up to 3× on logistics platforms through async processing, caching and query optimization.
- Owned scope, estimation and stakeholder communication across multiple time zones.

NativePath (Miami, FL – Remote) – Full-Stack Developer

Sep 2025 – Oct 2026

- Full-stack developer on a high-traffic headless Shopify Plus storefront (Hydrogen, React Router 7, TypeScript, Vite), serving 1M+ monthly sessions on Oxygen edge infrastructure.
- Implemented Datadog observability across the theme site and Hydrogen storefront: centralized logging, error tracking and performance monitoring.
- Lifted Lighthouse performance scores above 90 through SSR tuning, route-level code splitting, lazy loading and WebP/AVIF image optimization.
- Refactored the Playwright E2E pipeline on GitHub Actions, cutting test runs from ~22 to ~5 minutes (~77% faster) through test sharding and Playwright's official Docker container.
- Integrated analytics and marketing pixels (purchase events, attribution, A/B tests) with async loading to protect Core Web Vitals, and added Datadog log tracking to the most business-critical ones.
- Reworked UTM propagation across landing pages, storefront and checkout, ensuring consistent end-to-end attribution across the funnel.
- Owned the customer rewards program, integrating Bubblehouse (points, tiers, redemption) directly into the storefront.
- Migrated Shopify customer accounts from the legacy platform with zero downtime, preserving order history and login continuity.

Newtoo (Luxembourg – Remote) – Full-Stack Engineer (Contract)

Mar 2025 – Sep 2025

- Contracted through Newtoo as a technical expert for Doctolux, a SaaS platform for medical clinics in Luxembourg, owning the Node.js backend, React frontend, automation engine, analytics and OpenAI integrations end-to-end.
- Designed a rules engine with dynamic workflow triggers configurable by clinical staff, increasing operational automation efficiency by 40%.
- Shipped multilingual AI chatbots (PT/FR/EN) that autonomously handle 70%+ of appointment-booking traffic across Brazil and Luxembourg.
- Integrated Luxembourg's national health system (CNS) and Stripe payments, meeting healthcare-data and PCI requirements.
- Led cross-functional delivery across two countries: requirements, sprint planning and release communication with product and clinical stakeholders.

SoftExpert – Software Engineer

Aug 2023 – Aug 2024

- Software engineer on the Audit and Business Risk Management (BRM) modules of a multinational SaaS platform, used by enterprise clients in Germany, Portugal, France, the U.S. and Brazil.
- Built audit workflows for risk levels, quality indicators, processes and projects, helping enterprise clients track compliance across their operations.
- Built React interfaces for the Audit module, reusing the shared component library and contributing new components when audit use cases required them.
- Developed backend features daily in PHP and Java on internal frameworks similar to Laravel and Spring Boot.
- Aligned releases with distributed engineering, QA and product teams across four time zones.

Why Digital – Software Engineer

Aug 2022 – Aug 2023

- Built TimePay, the company's payment gateway product (Laravel, PHP, React, AWS).
- Designed and deployed a PCI-DSS-compliant payment gateway processing 500K+ transactions per year with 99.9% uptime.
- Built secure AWS-based microservices with tokenization and end-to-end encryption for cardholder data.
- Created a real-time React monitoring dashboard for merchants, reducing customer-support tickets by 35%.
- Strengthened observability and incident response as part of the on-call rotation.
- Finalist at Bradesco's Inovabra Hackathon.

Univates – Junior Software Engineer

Sep 2021 – May 2022

- Built and maintained internal systems in PHP (Adianti Framework), PostgreSQL and JavaScript, applying SOLID, OOP and Git-based workflows in an agile team.

Education

PUCRS – BSc in Software Engineering

Jan 2021 – Jul 2026

Algorithms & data structures, software architecture, design patterns, distributed systems, cloud (AWS, Azure), databases, DevOps & CI/CD, AI fundamentals.

Technical Skills

- **Languages:** JavaScript, TypeScript, Python, SQL
- **Frontend:** React, React Router 7, Remix, Next.js, Shopify Hydrogen, Redux, Vue.js, Vite
- **Backend:** Node.js, Express, Fastify, Django, REST APIs, microservices, event-driven architecture
- **Cloud & DevOps:** AWS, Docker, Terraform, GitHub Actions, CI/CD, Datadog, Shopify Oxygen
- **Data & Messaging:** PostgreSQL, MySQL, Oracle, MongoDB, Supabase, Redis, RabbitMQ, Kafka, Elasticsearch
- **AI & Integrations:** OpenAI / LLMs, AI agents, LangChain, AWS Bedrock, Stripe
- **Practices:** SSR, Core Web Vitals, observability, automated testing (Jest, Playwright), TDD, code review, Agile/Scrum

Certifications & Awards

- **Top 1% Freelancer** – Workana
- **Event Driven Architecture Practitioner** – Solace (2025)
- **Software Engineer Certificate** – HackerRank (2025)
- **Introduction to Software Engineering** – IBM (2025)
- **Introduction to Generative AI** – Amazon Web Services (2025)
- **Honorable Mention** – Brazilian National Science Olympiad (ONC, 2019)

Languages

Portuguese (native) | English (fluent, C1) | Spanish (intermediate)