

Leônidas Augusto Amaro

Senior Full-Stack Engineer | AI Products | React, Next.js, TypeScript, FastAPI, Web3

📍 Penha, SC, Brazil | ✉️ augustoamaro@proton.me | 📞 +55 (47) 99215-2323 | 🌐 [in/augustoamaro](https://in.augustoamaro) | 🐙 [augustoamaro](https://github.com/augustoamaro)

CORE SKILLS

TypeScript | JavaScript | React | Next.js | Node.js | FastAPI | Python | tRPC | Prisma | PostgreSQL | MySQL | Tailwind CSS | Docker | WebSockets | LangChain | LLM Integrations | Solidity | Hardhat | ethers.js | Git | English & Portuguese

EXPERIENCE

Senior Full-Stack Engineer	<u>Monkey Branch</u>	Mar 2021 – Present
- Designed and shipped AI-powered services with LangChain, Python, and FastAPI, integrating multiple LLMs (Gemini, ChatGPT), retrieval pipelines, conversational memory, and multimodal processing across text, images, and video. - Built a Vite-based frontend to operate these AI workflows end-to-end, reducing analysis turnaround by ~50% and enabling self-serve insights across internal teams. - Acted as a technical leader through mentoring, code reviews, cross-team communication, and onboarding/architecture documentation to scale engineering knowledge. - Delivered a Web3 product with wallet-integrated NFT listing, reveal/mutation mechanics, and ERC-721 smart contracts using React, TypeScript, Hardhat, ethers.js, and Alchemy integrations. - Developed a cryptocurrency market analytics platform with real-time data ingestion via WebSockets and interactive visualizations, improving research throughput and signal discovery. - Designed and implemented web and mobile applications for construction fleet management, integrating telemetry from Caterpillar, John Deere, Himate, Komatsu, Case, and Positron to support geofencing, maintenance alerts, and utilization KPIs. - Shipped an admin portal for an equipment rental operation, standardizing KPIs and automating PDF/CSV exports for maintenance and work-history reporting.		
Senior Full-Stack Engineer	<u>Falcn Lab</u>	Jun 2024 – Dec 2024
- Developed a healthcare platform connecting patients and physicians using Next.js 14, TypeScript, tRPC, and Prisma. - Optimized frontend performance to 90+ Lighthouse scores and reduced initial load time by 40%. - Built responsive and accessible UI components aligned with healthcare compliance requirements. - Collaborated with a distributed U.S. team in Agile/Scrum, delivering 15+ features within sprint deadlines.		
Frontend Engineer	<u>Convertr Commerce</u>	Aug 2023 – May 2024
- Rebuilt a headless e-commerce frontend with Vue 3 and Nuxt 3, improving mobile conversion. - Helped design a 20+ component library in Storybook, reducing duplicate CSS by 50% and accelerating delivery by 25%. - Optimized assets with dynamic imports, lazy loading, and CDN strategies, trimming initial JavaScript payload by 25%. - Delivered pixel-perfect storefronts from Figma and Photoshop designs with responsive implementation. - Contributed to a design system based on CSS custom properties and BEM, cutting duplicate styles by 30%.		
Software Developer	<u>PrismaFive</u>	Mar 2019 – Feb 2021
- Developed and maintained monolithic and microservices-based applications using .NET Core and Vue.js, improving modularity and scalability of core business systems. - Built responsive and accessible frontend interfaces with HTML, CSS, and JavaScript, improving cross-device compatibility and user experience. - Collaborated in Agile/Scrum workflows, contributing to sprint planning, code reviews, and CI/CD practices for reliable software delivery.		

Front-End Intern	<u>QUAY Sistemas e Portais</u>	2017 – 2018
• Shipped 10+ UI components in bi-weekly Scrum sprints using Vanilla JavaScript, HTML5, and CSS3. • Implemented responsive layouts and improved Lighthouse scores by ~25%. • Contributed to the first internal design system, reducing the effort required for new feature delivery. • Supported UX reviews and documentation improvements that helped reduce support tickets.		

IT Infrastructure Roles	<u>Beto Carrero World & ARXO Industrial do Brasil</u>	2010 – 2016 <i>Brazil</i>
• Managed infrastructure, monitoring, automation, security, and telecom improvements across enterprise environments, reducing downtime, response time, and operating costs.		

EDUCATION

B.S. in Sistemas para Internet	<u>Universidade do Vale do Itajaí – UNIVALI</u>	2016 – 2019 <i>Itajaí, SC, Brazil</i>
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