

ANDRE DEOMONDES

Backend & Applied AI Engineer

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PROFESSIONAL SUMMARY

Backend Engineer and Full Stack Developer experienced in building and maintaining production web products, REST APIs, automation workflows and applied AI services. I work with Node.js, TypeScript, Python, FastAPI, PostgreSQL, Redis, AWS and automated testing, connecting business rules, architecture, data, observability and deployment, both in independent consulting projects and in multidisciplinary teams, from implementation through operations.

PROFESSIONAL EXPERIENCE

Backend Software Engineer - AEX | Jun 2026 - Present

Remote

- Develop REST APIs and automation workflows for the MavisOS ecosystem.
- Design solutions with relational databases, caching strategies and clear service contracts.
- Contribute to architecture, reliability and safe backend evolution decisions.

Technologies: Node.js, TypeScript, NestJS, Python, PostgreSQL, Redis, AWS, Docker, CI/CD

Software Engineer - Drop Aki TCG | 2026 - Present

Freelance and consulting, independent project, remote | dropakitcg.com.br

- Built the full-stack e-commerce platform and remain responsible for maintaining it in production.
- Implemented user accounts, purchase history, an admin dashboard, orders, inventory, PagBank payments and Melhor Envio shipping.
- Set up data and AI services, hosting, deployment, technical SEO and unit, integration and E2E testing.

Technologies: Astro 5, React, TypeScript, Node.js, FastAPI, LangChain, PostgreSQL, Redis, Wix Headless, AWS, Playwright

Software Engineer - AMR Mobile | 2024 - Present

Freelance and consulting, independent project, remote | amrmobile.com.br

- Build and operate an end-to-end B2B platform for wholesale iPhone inventory and sales, including user accounts and an admin dashboard.
- Created Python, FastAPI and LangChain automation services, including web scraping for price collection and updates.
- Own data, deployment, technical SEO, Google Search Console, performance and unit, integration and Playwright E2E testing.

Technologies: Angular, NestJS, Python, FastAPI, LangChain, PostgreSQL, Redis, AWS, Playwright

Full Stack Developer - Caji Solutions | 2025 - 2026

Four-person team, remote, 1 year | cajiagent.com

- Contributed to CajiAgent, an AI-powered SaaS for customer service, sales and automation.
- Owned the WhatsApp and Instagram integrations and the inventory layer connected to the agent for real-time product lookup and replies.
- Developed AI and audio services with FastAPI, LangChain, Gemini, Groq and Whisper, covered by unit, integration and E2E tests.

Technologies: React, Vite, Node.js, Fastify, Python, FastAPI, PostgreSQL, Redis, AWS, Playwright

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL

Backend and APIs: Node.js, NestJS, Fastify, FastAPI, Spring Boot, REST APIs, webhooks, integrations

Applied AI and automation: LangChain, Gemini, Groq, Whisper, AI agents, web scraping

Data: PostgreSQL, Redis, MongoDB, relational modeling, caching strategies

Frontend: React, Angular, Astro, Next.js, Vite, Tailwind CSS

Cloud and DevOps: AWS, Docker, CI/CD, VPS, Git, GitHub

Quality: Unit, integration and E2E testing, Playwright, Vitest, Jest

TECHNICAL PUBLICATION

JavaScript Core: Complete original series of 27 units on JavaScript fundamentals applied to backend work, each with a visual summary, examples, exercises, tests and solutions (in Portuguese). andredeomondes.dev/series/javascript-core

EDUCATION

BSc in Computer Engineering - Universidade CIMATEC | 2024 - 2029 (in progress)

Technical Diploma in Systems Development - SENAI Bahia | 2025 - 2027 (in progress)

LANGUAGES

Portuguese: native | English: intermediate, technical documentation reading