

Adriana Paiva

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Summary

Backend software engineer focused on **API** development, scalable **architectures**, and database design. Experienced with **TypeScript, Node.js, SQL**, distributed processing, caching, **authentication**, and **CI pipelines**. Strong **problem solver** with a track record of **shipping reliable production systems** in ecommerce, AI, and internal business platforms. Effective communicator with high **ownership**, autonomy, and cross functional collaboration. Blends technical depth with **business awareness** and data driven decision making.

Work Experience

Software Engineer, Céu Construction

Portimão, Portugal | Aug 2025 – Present

- Built and optimized the multilingual corporate platform using **TypeScript, Next.js 15, Node.js, Server Components, i18n and Prisma**, increasing organic traffic and inbound leads by more than **40%**.
- Implemented **backend workflows** for contact handling, analytics, and structured data with **API routes, server side logic, and automated pipelines**, reducing manual lead qualification time by roughly **30%**.
- Improved performance through optimized **image systems**, accessibility fixes, and **data flow tuning**, raising Lighthouse scores and lowering median load times across core pages.

Software Engineer, Bravera Creative

Portimão, Portugal | May 2023 – Aug 2025

- Engineered scalable back-end architectures using **TypeScript, Node.js** and **Express** for **30+** client projects, reducing deployment times by **50%**.
- Developed and maintained comprehensive **unit and integration tests** using **Jest and Cypress**, increasing code coverage to **85%** and reducing production bugs by **30%**.
- Implemented **CI/CD pipelines** with **GitHub Actions** and **automated tests**, minimizing post-deployment errors and cutting manual QA time by **60%**.

Creative Director and Digital Strategist, Independent Consultant

Texas, USA | Apr 2015 – Jan 2023

- Designed and managed marketing **automation workflows**, streamlining operations and saving clients **15+** hours weekly.
- Integrated **UX/UI** design principles to create user-friendly assets, bridging creative and technical solutions, leading to **15%** faster page load speeds and higher engagement rates.

Projects

AMR Machinery Rental Platform

Technologies: TypeScript, Next.js, Node.js, Prisma, Postgres, Vercel

- Designed and scaled the **booking engine** handling daily pricing, deposits, discounts, delivery logic, and invoicing rules, reducing manual admin work by more than **40%**.
- Built **end to end** purchase flow integrating **Stripe** Checkout and invoicing software with complete tracking that enabled the company to measure more than **35%** of monthly revenue directly to ads.
- Improved performance through image optimization **pipelines**, safe staging environments, and **CI workflows** that brought consistent sub 2.5 second LCP and zero downtime deployments.

Task Management API

Technologies: JavaScript, Node.js, Express, Redis, MySQL, Docker, Jest

- Ensured high availability and fault tolerance by implementing **Redis** for task **queue management**.
- Designed **MySQL** schema for task management and integrated **Jest** for **unit and integration** testing, achieving **85%** test coverage.
- **Automated API** deployment with **Docker and Docker Compose**, reducing deployment time by **70%**.

AI-Powered Nutrition Planning Application

Technologies: JavaScript, Node.js, Express, MongoDB, REST APIs, React, AWS

- Built an **AI-powered backend** using Node.js and **multi-agent** architecture, handling nutrition profiles with intelligent filtering.
- Integrated **Hugging Face models** and **MongoDB** to generate real-time meal suggestions with **90%+** relevance accuracy in tests.
- Optimized response times through **API tuning** and efficient **data modeling**, ensuring smooth real time swipe interactions.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL

Frameworks & Libraries: Node.js, Express.js

Developer Tools: Git, CI/CD Pipelines, RESTful APIs, Prisma, PostgreSQL, MongoDB, Redis, Docker, Jest, Playwright

Speaking Languages: English(C2), Portuguese(Native), Spanish(B1)

Education

Bachelor's Degree in Computer Engineering

Universidade Aberta, Portugal | Expected 2028

Bachelor of Science in Mechanical Engineering

Pontifícia Universidade Católica, Brazil | Dec 2014 (Incomplete)