Antonio Díaz

Software developer
TypeScript + Rust + Go

Personal data

Location: Madrid, Spain.
hello@antoniodiaz.me
www.antoniodiaz.me
www.github.com/antondc
Senior software developer with a background in project management, building large-scale web platforms using TypeScript, Go, and Rust.

Experience

2023– Telefónica | fon: *full stack developer*, Madrid.
www.movistarplus.es: Streaming near real-time web application.
Stack: React, TypeScript, Node.js, GraphQL, hls/dash.
· Development of multilingual web client and backend bff applications for European and American markets with 800k+ concurrent playbacks.
· Contributed to libraries, including Google's *Shaka-player*.
· Refactored several functionalities and their caching systems to improve latency, helping other teams working with different devices replicate our success in their implementations.
· Introduced types to a Node.js codebase (TypeScript) as well as testing best practices.

2019–2022 Thrive Market | Distillery: *full stack developer*.
Moscow (ru) - Los Angeles (us).
www.thrivemarket.com: e-commerce competing with Amazon Fresh in us market.
Stack: TypeScript, React, Cypress, Rust.
· Synchronization with cross-functional teams across different time zones (us - cee/cis).
· Refactored web client to Next.js by writing full suite of e2e tests with Cypress beforehand to support the 18-month migration process.
· Implemented new modules related to different payment systems.
· Managed the cleanup, shutdown, and replacement of several legacy sites and endpoints, ensuring that all related infrastructure and redirections were addressed.

2019 Urligram: side project, Moscow (ru).
www.urligram.com: social bookmarking application.
Stack: React, Node.js, PostgreSQL.
· ux design (Sketch+Figma) using Atomic Design methodology.
· Developed a frameworkless web client with ssr, achieving a lightweight and high-performance solution.
· Designed and implemented browser extensions for both Chrome and Firefox, broadening platform accessibility.

· Built a REST API using DDD to maintain cohesive business logic while decoupling concerns with a hexagonal architecture.
· Architected and executed comprehensive database schema design and implementation with PostgreSQL.

2017–2019 ASTROSHOCK: *full stack developer*, Moscow (RU).
Stack: React, Backbone, Django (Python). Development of web client, back office for content management and API.
www.mosbrew.ru, www.u.university, www.linii.group

2015–2016 CRITIK: *Founder and developer*, Madrid (ES).
Stack: SPARQL, MySQL. project management; importing RDF data from a SPARQL Virtuoso server of the BNE into MySQL.

2012–2015 DÍAZ & PONS: *founder and editor*, Madrid (ES).
Responsible of the editorial strategy and contents, management of the projects and art direction. 20+ publications *www.diazpons.es*.

2007–2011 FREELANCE: *project manager*, Madrid (ES).
Project manager at CGAC and Medialab-Prado (currently Matadero-Medialab).

Education

2007 Master's Degree in Project Management (CGAC+USC).

2001-2006 Bachelor of Arts in History, USC.

Languages

Spanish Native.

English Fluent (spoken and written).

Russian Intermediate (spoken and written).

Technical skills

Languages TypeScript, JavaScript, Rust, Go, SQL.

Frontend React, Next.js, GraphQL, Cypress.

Backend Node.js, PostgreSQL.

Architecture DDD, Hexagonal, REST.

Tools Git, GitLab, Docker.

Selected Projects

DSA Data structures and algorithms in Go, Rust and TypeScript ⏻.

Urligram Web client, API and browser extensions for *www.urligram.com* ⏻.

Transducers Code for functional programming series at *www.antoniodiaz.me* ⏻.

Hexagonal Rust Rust API REST starter kit using hexagonal architecture ⏻.

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