

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 and maintenance of multilingual web client and back-end BFF applications for European and American markets with 800K+ concurrent reproductions.
 - 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).

Academic 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, Docker, CI/CD.

Selected Projects

- DSA Data structures and algorithms in Go, Rust and TypeScript .
- Urlligram Web client, API and browser extensions for www.urlligram.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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