

# ANTONIO DÍAZ

*Software developer*

TYPESCRIPT + RUST + Go



## Personal data

Location: Madrid, Spain.

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*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 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](http://www.mosbrew.ru), [www.u.university](http://www.u.university), [www.linii.group](http://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](http://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

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|--------------|--|
| 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

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|----------------|--|
| DSA            | Data structures and algorithms in Go, Rust and TypeScript <a href="#">🔗</a> .  |
| Urligram       | Web client, API and browser extensions for <a href="http://www.urligram.com">www.urligram.com</a> <a href="#">🔗</a> .    |
| Transducers    | Code for functional programming series at <a href="http://www.antoniodiaz.me">www.antoniodiaz.me</a> <a href="#">🔗</a> . |
| Hexagonal Rust | Rust API REST starter kit using hexagonal architecture <a href="#">🔗</a> .   |