



Diego Castillo

Senior Software Engineer

Architecting software focused on craftsmanship and simple, thoughtful products.

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Experience

Senior Software Engineer

[Buffer.com](#), Remote (Oct 2025 - Present)

- Proposed and led the design of an auto-generated CLI for Buffer's public API; authored the technical spec, defined the codegen/runtime split, and implemented the initial version, with commands generated directly from the GraphQL schema.
- Proposed and led Buffer MCP, authoring the technical spec and defining its architecture, authentication model, tool schemas, evaluation pipelines, and test coverage; led OAuth support using Dynamic Client Registration, enabling official Claude and ChatGPT marketplace readiness.
- Designed and implemented the Threads trending and recently used topics features, including MongoDB collections and aggregations, CRON workers, GraphQL resolvers, and associated UI.

Senior II Frontend Engineer

[Remote.com](#), Remote (Jun 2021 - Oct 2025)

Owned full implementation cycles for product features spanning both frontend and backend. Scoped architecture, created engineering tickets, and made decisions across database design (Ecto schemas, relationships), business logic (Phoenix contexts, controllers, authorization), and UI workflows (React, Next.js). Collaborated directly with product and design to ship features autonomously in a remote, async-first team.

- Enabled employers to add prospects to our new ATS via AI-powered resume parsing and intelligent autofill, streamlining candidate intake.
- Adapted an employee-focused time-tracking system to automate contractor invoicing based on tracked hours.
- Shipped live dashboard widgets that surface payment status and other actionable insights for contractors.
- Earlier at Remote (Frontend, then Senior I; 2021-2024): built the contractor [invoicing system](#), [Freelancers Hub](#), the [Fair Pricing Initiative](#), and [Contractor Time Tracking](#).

Senior Software Engineer

[Hubstaff](#), Remote (Aug 2019 - May 2021)

Delivered full-stack features in a Ruby on Rails monolith with a React frontend. Frequently led projects from spec breakdown through DB schema design, backend logic, and API contracts, extending into React UI. Collaborated with product to define scope and executed autonomously across frontend state and backend performance.

- Developed and maintained key full-stack features, such as [Epics](#), [To-Dos](#), and the [Project & Roadmap timeline](#).
- Refactored key Active Record queries for large-scale roadmap rendering and faster app load times.

Earlier Roles

Panama & Remote (Mar 2014 - Jul 2017)

- Full-stack engineer working independently and with teams across [PhoneTradr](#), [Torak's Kanban Zone](#), and [X-Team](#) (for [Protocol Labs](#) via [CoinList](#)) from 2016 to 2017. Worked on everything from performance improvements and feature development to test automation and architecture refactors.
- Before that, contributed to B2B web apps in logistics and digital media at [Mod Op](#) and [Ubiqua](#) in Panama (2014 to 2016).

Projects

ToneBuilder

An AI-powered, chat-based tone architect for Line 6 Helix. Solo-built and live: Next.js, React, TypeScript, PostgreSQL, and the AI SDK, with a multi-step AI generation pipeline, streaming progress UI, and Resend-powered OTP auth. Tested with Vitest against a real Postgres database, plus Evalite eval suites in CI.

Momentum

A productivity app that helps track and celebrate daily progress through small wins. Same stack, also live. More at diegocasmo.github.io/products.

Skills

- **Languages:** TypeScript, Elixir, Ruby
- **AI / LLM Systems:** MCP, Evalite, AI SDK
- **ORMs:** Ecto, Prisma, Active Record
- **Frontend:** React, Next.js, React Query, Tailwind CSS, Radix UI
- **Frameworks:** Express.js, Phoenix, Rails
- **Databases:** PostgreSQL, MongoDB
- **DevOps:** Docker, Git, CI/CD

Writing

- [Simple Next.js Magic Link JWT Authentication with Prisma, PostgreSQL, and Resend](#)
- [Onboarding as an Engineer in the Age of AI](#)
- [Intent-First Software](#)
- [Reducing Type Overhead with Lazy Evaluation in TypeScript](#)

Education

M.Sc. in Computer Science, Uppsala University, Sweden

Aug 2017 - Jun 2019

Thesis: [VASCO: Developing AI-Crawlers for ML-Blink](#)

B.Sc. Computer Science, Harding University, USA

Aug 2010 - May 2014

Thesis: [CakePHP: The Rapid Development PHP Framework](#)

Certifications

- *Coursea: Advanced Learning Algorithms (2025)*
 - *Coursea: Regression and Classification (2023)*
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Languages

Spanish (native) | English (bilingual)