

# Alejandro Miralles

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## EXPERIENCE

### Canary Data — Senior Software Engineer - (Elixir/Phoenix/LiveView/React)

JAN 2025 - PRESENT

We are building the world's most comprehensive investment risk database using a mix of AI, Data pipelines, and modern Web technologies.

Elixir/Phoenix/LiveView, Postgres, React, AWS, Docker, AppSignal, Git, GitHub, AI APIs.

### Superkind — Senior Backend Engineer - (Elixir/Phoenix/LiveView)

JAN 2024 - JAN 2025

Built and maintained [Superkind](#)'s Elixir backend to support their AI-enabled e-commerce app.

Elixir/Phoenix/LiveView, Postgres, DevOps, GCP, Kubernetes, Docker, Firebase, AppSignal, Git, GitHub, AI APIs.

### AR Workflow — Senior Software Engineer - Ruby on Rails

JUN 2023 - JAN 2024

Led the efforts to port [AR Workflow](#)'s collecting platform from an old Node.js, Rails, and Angular codebase to a modern Rails/React setup.

I managed America's and overseas teams, helping the company hit its ambitious goals under an aggressive release schedule. (We ported the entire payment platform in under two months.)

Ruby, Rails, Postgres, React, Node, Angular, Redis, Heroku, AWS, Twilio, QuickBooks API, Scout, Bugsnag, Git, GitHub, DevOps, Payment-API, Leadership.

## PROGRAMMING LANGUAGES

- Ruby
- Elixir
- JavaScript
- Python

## WEB FRAMEWORKS

- Ruby On Rails
- Phoenix/LiveView
- Django
- Express

## DATABASES

- Postgres
- Redis
- Riak
- Cassandra

## CLOUD

- AWS
- GCP
- Heroku
- Digital Ocean
- Apify

## **Upstart13 – Senior Software Engineer – (Elixir/Phoenix/LiveView)**

NOV 2022 - JUN 2023

Hands-on tech lead helping a team of four to build [AboutFresh](#)'s filtered spend card system under a strict HIPAA-compliant process.

Elixir/Phoenix/LiveView, Postgres, Docker, Honeybadger, Git, GitHub, Azure, Payment-API, HIPPA, Leadership.

## **Blitz — Backend Engineer – Elixir/Phoenix**

JAN 2020 - NOV 2022

Backend Engineer working on large-scale distributed systems and high-thruput APIs supporting more than 1MM DAU.

Owned critical APIs and data aggregation pipelines.

Elixir, Postgres, Riak, Phoenix, Flow, Broadway, Redis, GCP, Docker, GraphQL, Sentry, Grafana, LogDNA, CircleCI, Git, GitHub.

## **Optic Power — Senior Software Engineer**

DEC 2020 - JAN 2021

Provided consultancy services for early and growth-stage startups.

Backend Engineer at [Blitz](#), a digital gaming coach helping competitive gamers to master complex games.

Elixir, Phoenix, Postgres, Riak, Redis, GCP, Docker, GraphQL, Sentry, LogDNA, CircleCI, Git, GitHub.

Hands-on tech lead at [Walkboard](#), a booking platform for moving services across the US.

Python, Django, React, Postgres, AWS, Sentry, Firebase, Git, GitHub, Leadership.

Backend Engineer at [PrivacyAI](#) Personal information removal API. NodeJS, Apify, Puppeteer, Git, GitHub, Leadership.

## **SnapCell — Senior Software Engineer – Ruby on Rails**

OCT 2018 - DEC 2020

I was employee number one at [SnapCell](#). I worked with the company's CTO, adding new features, fixing bugs, doing customer support, DevOps, and everything else.

Ruby, Rails, Postgres, Redis, Heroku, AWS, Twilio, Git, GitHub.

## **Codementor** — *Mentor/ Software Engineer*

MAY 2018 - PRESENT

- Helped programmers and small companies to complete their projects on time by doing live coding sessions and freelance jobs. (Don't take my word for it; please check out the reviews here: <https://www.codementor.io/@alemiralles>.)
- Conducted code reviews to improve the quality of existing code.
- Helped developers fix critical bugs.
- Mentored students and fellow Software Engineers.

Ruby, Rails, Elixir, Phoenix, Postgres, Redis, Heroku, AWS, Twilio, Git, GitHub, JavaScript, C, C++, C#

## **Stash** — *Senior Software Engineer - Ruby on Rails*

SEPT 2017 - PRESENT

- Provide consultancy services for companies working with Ruby On Rails and Node.js. (Heroku, Rails, React, Postgres, Redis, AWS)
- I created a feed synchronization service for Sky Sports (Node.js, React, MongoDB, AWS, GraphQL, Kafka, Gitlab).

## **FPA Software** — *Software Architect*

MARCH 2007 - OCT 2017

- Designed and implemented a compiler and language runtime for PPL (the company's proprietary programming language) that allowed our corporate customers to upgrade their systems to the .NET platform without rewrites.
- Designed and implemented B2B solutions using ASMX web services.
- Helped our customers to mitigate their technical debt by moving legacy desktop applications to the web.

(Tech stack: C#, SQL Server, IIS, MSMQ, Git, GitHub)

## **WRITING**

### **Data Structures From Scratch**

JAN 2019 - Self-Published

A brisk introduction to essential, advanced, and persistent data structures using the Ruby programming language. ASIN: B07MZZT6SW

## **Data Structures From Scratch (JS Edition)**

MAY 2019 - Self-Published

Introduction to the most commonly used data structures for beginners and self-taught programmers. ASIN: B07S2C1SZ2