

## Achievements

### SUBSCRIPTION MODEL

- **Lead architect:** scaled 2022-03.
- Represents **59.3% GMV** by Q4 2022.
- **LTV: +41%** YoY in Q2 2022.
- **ltv/cac:** 1.4x → 3.0x in 4 months.
- **A/B test:** Longest-running so far.

### BEST 2023 EXPERIMENT

- **GM: +3%** global Gross Margin.
- **A/B test:** best out of 215 launched.
- **Epic lead:** 100% Backend. Coordinated FE, PM, Data and CRM teams.
- **Delivery:** 4 weeks ahead of plan.

### Q&A PAGE, BLOG

- **A/B tests:** Q3, Q4 2020.
- **Blog:** +300% NPCs.
- **Q&A:** +800% CVR.
- **Traffic:** 1M new visitors/mo.

### 1-DAY IMPROVEMENTS

- **Cost control:** Avoid running unnecessary tests (\$31k/yr) - Jun 2022
- **Hero page:** Phone user on mobile version (+27% GMV, +20% hours).

## Education

### M.SC. THESIS IN INFORMATICS

Dec 2011 **NTNU** Trondheim, Norway

### BE IN INFORMATICS

2006-2011 **UPC** Barcelona, Spain

## Languages

**Native:** Catalan, Spanish.

**Proficient:** English (Cambridge, C2).

**Basic (A2):** Swedish, Norwegian.

## Backend skills

### PYTHON

- **Pycon SE** speaker (2014, 2019).
- +30 **microservices**.
- 3 **Monoliths** (incl. Django).
- **Scrapping:** +50 sites (scrapy).
- pytest • PEP8 • ipdb • black...

### OTHER

- **GO:** 12 microservices.
- **Techs:** PostgreSQL • Unix-like • REST • Git • MySQL • Docker • GraphQL • AWS • test • async • ETL • DWH • debug • C++ • I/O • profiling • uuid • APIs...
- **Optimise:** 10<sup>18</sup>x speedup.

## Experience

### SABBATICAL Aug 2024 - Present

BARCELONA, SPAIN

- **Dev w. AI/LLM:** see GitHub (netflix-to-srt, homepage, basepaint ...)

### PREPLY.COM Mar 2020 - Jul 2024

BARCELONA, SPAIN

Jun 2022 - Aug 2024

Senior Backend Engineer I (P7)

- **Incidents:** command, scribe, mitigate and help fix 15+ up to SEV2. Presented postmortems, including those caused by other teams.
- **Subscription events:** enabled data teams to track state transitions.
- **Yearly subscriptions:** implemented multiple periods and policies.
- **Group lessons:** lead backend and handover project to new team.
- **Subscriptions:** transition a package-only company:
  - *Backend:* lead architect, re-used existing components for MVP.
  - *Volume:* process 150k+ subscription renewals/mo (Q1 2023).
  - *Cohorts:* created custom system to support 5 A/B tests in parallel.
  - *Features:* cancel, pause, upgrade, downgrade, expire, carry...
- **Migrate:** Q&A app backend from Django templates to GraphQL.
- **Monitor:** on-call rotation, set up alerts, dashboards (e.g. Grafana).
- **Interview:** 13 backend candidates. 2 valuable members hired.

### IVBAR.COM Mar 2018 - Mar 2020

STOCKHOLM, SWEDEN

Jan 2019 - Mar 2020

Fullstack Engineer

- **Chronics:** enabled processing of non-episodic patient groups.
- **Subgroups:** built case-mix decision trees (multidisciplinary project).

Mar 2018 - Jan 2019

Backend Engineer

- **Processor:** National Quality Registry for Breast Cancer (NKBC).
- **MECE filters:** made to preserve privacy and avoid triangulation.

### PRODUCTOS ADITIVOS Jun 2016 - Jan 2018

MONTCADA, SPAIN

- **As CTO:** market intelligence, ERP migration, transition to SII...
- **As CFO:** saved 64k EUR on 3y and 7y fix-rate loans.

### WRAPP.COM Oct 2012 - Jun 2016

STOCKHOLM, SWEDEN

Sep 2014 - Jun 2016

Fullstack Engineer

- **Opsweb:** built web-based AWS deploy system - Dart, Sass and Jade.
- **Wrappmin:** merchant tool (map transactions, create offers) in React.

Dec 2013 - Sep 2014

Data Engineer

- **Data Warehouse:** designed and optimised ETL pipeline for Redshift.
- **Wrapreport:** delivered reports and features with in-house CRM.
- **Dashboards:** updated real-time, with business and system KPIs.

Mar 2013 - Dec 2013

Frontend Engineer

- **Email service:** built framework for pre-flighted design supporting:
  - *A/B test:* subjects, preheader-text, images, conditional render...
  - *Compatibility:* +1M weekly newsletters to diverse clients/devices.
- **Web client:** landing pages, Wrapp 1.0 web app...

Oct 2012 - Mar 2013

Backend Engineer

- **News service:** in-memory (testing), MySQL (production) backends.
- **Recommender System:** architected and implemented from scratch.

### FXSTREET.COM Feb - Jul 2012

Software Developer

BARCELONA, SPAIN

- **Maintenance:** 17-language site - C#, .net MVC3, jQuery on Azure.