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Education


NTNU

M.Sc. THESIS IN INFORMATICS

 Dec 2011  Trondheim, Norway

UPC-BARCELONATECH

BE IN INFORMATICS

 2006-2011  Barcelona, Spain

Languages

Native: Catalan, Spanish.**Proficient:** English (Cambridge).**Basic (A2):** Swedish, Norwegian.

Backend skills

PYTHON

- +30 **microservices**.
- 3 **Monoliths** (incl. Django).
- **Pycon SE** speaker (2014, 2019).
- **Scraping**: +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 • ...
- **Optimise**: 10¹⁸x speedup.

Achievements

SUBSCRIPTION MODEL

- **LTV**: **+40%** YoY in Q2 2022. (user value, year over year).
- **A/B test**: Longest-running experiment so far at Preply.
- **GMV growth**: scaled 2022-03.
- By 2022-07 represented **46%** of total gross monthly revenue.
- By 2022-12 already **70%**.

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

Experience

BACKEND ENGINEER P7 (SENIOR)

PREPLY.COM

 Jun 2022 – current Barcelona, Spain

- **Subscription events**: enable data teams to track state transitions.
- **Yearly subscriptions**: create multiple periods and policies.
- **Group lessons**: build backend and team handover.

BACKEND ENGINEER P6


PREPLY.COM

 Mar 2020 – Jun 2022 Barcelona, Spain

- **Subscriptions (STT)**: to a previously package-only company:
 - *Backend*: implement single-handedly, re-using few components.
 - *Cohorts*: build custom system to support 5 A/B tests in parallel.
 - *Features*: cancel, pause, upgrade, downgrade, expire, carry...
- **Migrate**: Q&A page 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.

FULLSTACK ENGINEER

IVBAR.COM

 Jan 2019 – Mar 2020 Stockholm, Sweden

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

BACKEND ENGINEER

IVBAR.COM

 Mar 2018 – Jan 2019 Stockholm, Sweden

- **Processor**: National Quality Registry for Breast Cancer (NKBC).
- **MECE filtering**: preserving privacy and avoiding triangulation.

CTO & CFO

PRODUCTOS ADITIVOS

 Jun 2016 – Jan 2018 Montcada i Reixac, Spain

- **Information**: market intelligence, ERP migration, transition to SII...
- **Cost cut**: save 64k EUR on fix-rate loans. 3yr (0.87%), 7yr (2.00%)

FULLSTACK ENGINEER

WRAPP.COM

 Sep 2014 – Jun 2016 Stockholm, Sweden

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

DATA ENGINEER

WRAPP.COM

 Dec 2013 – Sep 2014 Stockholm, Sweden

- **Data Warehouse**: design and optimise ETL pipeline for Redshift.
- **Wrapport**: develop features and deliver reports with in-house CRM.

WEB ENGINEER


WRAPP.COM

 Mar 2013 – Dec 2013 Stockholm, Sweden

- **Email service**: build 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...

BACKEND ENGINEER

WRAPP.COM

 Oct 2012 – Mar 2013 Stockholm, Sweden

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

JUNIOR SOFTWARE ENGINEER

FXSTREET.COM

 Dec 2012 – Jul 2012 Barcelona, Spain

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