

Isaac Bernat

Full-stack engineer

Latest version at:
github.com/isaacbernat/cv

Nationality: Spanish
Stockholm, Sweden
✉ isaac.bernat@gmail.com



Experience

- Mar. 2018 - Present **Back-end engineer**, *Ivbar Institute*, Stockholm, Sweden.
- **NKBC**: processor for National Quality Registry for Breast Cancer.
- Jun. 2016 - Jan. 2018 **CTO & CFO**, *Productos Aditivos*, Montcada i Reixac, Spain.
- **Information**: market intelligence, ERP migration, transition to SII...
 - **Bank negotiation**: saved 63465 EUR on loan interests (34.77%).
 - From: 7-year @ 2.95% & 4 year @ 1.50%+euribor12m.
 - To : 7-year @ 2.00% & 4-year @ 1.29% & 3-year @ 0.87%.
- Sep. 2014 - Jun. 2016 **Full-stack engineer**, *Wrapp.com*, Stockholm, Sweden.
- **Opsweb**: build web-based AWS deploy system using Dart, Sass and Jade.
 - **Wrappmin**: merchant tool (transaction mapping, offer creation) in ReactJS.
- Dec. 2013 - Sep. 2014 **Data engineer**, *Wrapp.com*, Stockholm, Sweden.
- **Data Warehouse**: design and optimise ETL pipeline for Redshift DW.
 - **Wrappport**: develop features and deliver reports with in-house built CRM.
 - **Dashboards**: build real-time dashboard with business and system KPIs.
- Mar. 2013 - Dec. 2013 **Lead web engineer**, *Wrapp.com*, Stockholm, Sweden.
- **E-mail service**: build framework for pre-flighted design supporting:
 - **A/B test**: subjects, preheader-text, images, conditional rendering...
 - **Tracking**: open rate, click through rate per element, segmentation...
 - **Compatibility**: >1M weekly newsletters to diverse e-mail clients/devices.
 - **Web client**: landing pages + Wrapp 1.0 web app.
 - **Third party integration**: Facebook, Heroku, Mixpanel, Wrapp API...
 - **Implemented**: gifting flow, mobile views, login A/B test...
- Oct. 2012 - Mar. 2013 **Back-end engineer**, *Wrapp.com*, Stockholm, Sweden.
- **News service**: with in-memory (testing) and MySQL (production) backends.
 - **Recommender System**: architect and develop from scratch.
- Feb. 2012 - Jul. 2012 **Software developer**, *FXstreet.com*, Barcelona, Spain.
- **Maintenance**: 17-language multisite in C# + .net MVC3 + jQuery on Azure.

Informatics skills

Back-end engineer

- **Python**: samples at */netflix-to-srt*, */pycrastinate* or */gae-shorten* on GitHub:
 - *Speaker*: PyCon SE 2014; lightning talks at EuroPython + PyData Berlin 2014.
 - *Maintainer*: "users" (67/260 commits), 9 contributors (*Wrapp*).
 - *Production-ready contributions*: >>20.000 lines in >30 repos.
- **Go**: microservices at *Wrapp* 2.0.
 - *Maintainer*: "offers" (284/1206 commits), 12 contributors (*Wrapp*).
 - *Production-ready contributions*: ~13.000 lines in >12 repos.
- **Misc**: samples at */docker-pudb* on GitHub:
 - *Technologies*: postgresSQL, MySQL, Docker, AWS, Unix-like, REST...
 - *Scrapping*: >50 different scrappers and >>100.000 elements.

Front-end engineer

- **Web**: landing pages + *Wrapp* 1.0 web app:
 - *Maintainer* (fr. 2013): "consumer-web" (660/6026 commits), 15 contributors.
 - *Maintainer*: "web-static" (58/122 commits), 4 contributors.
 - *Production-ready contributions*: >30k (JS), >6k (Dart) lines in >10 repos.
- **Misc**: samples at */rhythm-radar*, */dartmuti* or */panepond* on GitHub:
 - *Technologies*: d3.js, angular2.js, Dart, Sass, JSON, responsive web...
 - *Planning*: Scrum, Kanban, retrospectives, Planning poker...

Education

Dec. 2011

M.Sc. Thesis in Informatics, NTNU, Trondheim, Norway.

Publication: Test-Driven Conceptual Modelling: evaluation through a case study.

Supervisors: John Krogstie, Albert Tort and Antoni Olivé.

Grade: A with Highest Honours.

2006 – 2011

Degree in Informatics Engineering, UPC-Barcelona Tech, Barcelona, Spain.

Specialisation area: Data management and operations.

Specialisation area: Software engineering and information systems.

Languages

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|-----------|---------------|--|
| Catalan | Native | "Preparació per al nivell C2 (Superior) de valencià" by UPV - 2014 |
| Spanish | Native | "42 Concurso Nacional de Redacción" 4th prize (Barcelona) - 2002 |
| English | C2 | "Cambridge's Certificate of Proficiency in English" - 2007 |
| Swedish | A2 | "Svenska 1 med Settle Into Stockholm" - 2016 |
| Norwegian | A2 | "EILC Norwegian language course" - 2011 |

Certificates

2011 - Present

Coursera and others, check github.com/isaacbernat/cv for specifics.

Apr. 2011

3 Day Startup Barcelona, participant.

Dec. 2010

Course on Stocks and Derivatives, Bolsa de Madrid-Software Financiero Bolsa.

Oct. 2008

European driving licence, category B.

Hobbies & interests

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|-----------------|--|------------------------|---------------------------|
| Gaming | Eurogames, FPS and 4x. | Classical Music | Esp. period performances. |
| Learning | Articles, books, MOOCs... | Comp. Science | History and practise. |
| 2006 – 2010 | VP & Treasurer , Cultural Association 'La Fletxa Negra', Premià de Dalt, Spain. | | |