Isaac Bernat

Full-stack engineer

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Birthdate: 14/01/1988

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

Language	Level	
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*

Experience

Sep. 2014 - Current

Full-stack engineer, *Wrapp.com*, Stockholm, Sweden.
- *Opsweb*: in-house web-based deploy system built with 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.
- *Wrapport*: develop features and deliver reports with in-house built CRM.
- *Dashboards*: built real-time dashboard with business and system KPIs.

Mar. 2013 - Dec. 2013

Lead web engineer, *Wrapp.com*, Stockholm, Sweden.
- ***E-mail service***: Build framework to design pre-flighted supporting:
  - *A/B test*: subjects, preheader-text, images, etc.
  - *Tracking*: open rate, click through rate on each element, segmentation...
  - *Conditional rendering*: custom module system, non-active users, etc.
  - *Compatibility*: >1M e-mails sent weekly to diverse e-mail clients and devices.
- ***Web client***: Landing pages + Wrapp 1.0 web app
  - *Third party integration*: facebook, heroku, mixpanel, Wrapp API, etc.
  - *Implemented*: gifting flow, mobile views, log in A/B test, etc.

Oct. 2012 - Mar. 2013	**Back-end engineer**, *Wrapp.com*, Stockholm, Sweden.

- *News service*: Create a storage-agnostic API for all newsfeed-related functions. Implement in-memory (testing) and MySQL (production) backends.
- *Recommender System*: Implementation from sratch and lead architect.

Feb. 2012 - Jul. 2012	**Full-stack developer**, *FXstreet.com*, Barcelona, Spain.

- *Software development*: C# + .net MVC3 + jQuery on Azure.
- *Maintainance*: 17-language multisite (Arabic, Russian, Japanese, etc.).

Informatics skills

Back-end engineer

- **Python**: Samples at */pycrastinate, /netflix-to-srt* or */gae-shorten* on Github:
  - *Speaker*: PyCon SE 2014; lightning talks at EuroPython + PyData Berlin 2014.
  - *Maintainer*: "users" (67/260 commits), 9 contributors.
  - *Production-ready contributions*: >>20.000 lines in >30 repos.
- **Go**: microservices at Wrapp 2.0
  - *Maintainer*: "offers" (284/1206 commits), 12 contributors.
  - *Production-ready contributions*: ~13.000 lines in >12 repos.
- **Misc**:
  - *Scraping*: >50 different scrapers and >>100.000 elements.
  - *Technologies*: postgreSQL 9.5, MySQL, Docker, AWS, Unix-like, REST, etc.

Front-end engineer

- **Web**: Wrapp 1.0 web app + Landing pages:
  - *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, etc.
  - *Planning*: Scrum, kanban, retrospectives, Planning Poker, etc.

Certificates

2011 - Present	**Coursera, Udacity, etc**, *Check github.com/isaacbernat/cv for specifics.*
Apr. 2011	**3 Day Startup Barcelona (3DS) - 1st Edition**, *Participant.*
Dec. 2010	**Course on Stocks and Derivatives**, *Bolsa de Madrid-Software Financiero Bolsa.*
Oct. 2008	**European driving licence**, *Category B.*

Hobbies & interests

2006 – 2010	**VP & Treasurer**, *Cultural Association 'La Fletxa Negra'*, Premià de Dalt, Spain.

- Organise effective meetings, write concise minutes, basic accounting, etc.

Gaming	Eurogames, FPS and 4x.	**Classical Music**	Esp. period performances.

Reference

Prof. Antoni Olivé Ramon
Head of ESSI dpt. at UPC
Faculty Dean (1987-1992)
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