



1. Personal information

Date of birth:	January 9 th , 1972 (Geneva, Switzerland)
Nationality:	French (Spanish resident since 1999)
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2. Senior Software & Data Architect

A) Back-end developer

- Python 2 & 3 (9 years experience) / Django, Dj. Rest Framework, Wagtail, Flask etc...
- AWS-based platform architecture, deployment and operation
- Serverless applications (Zappa, Serverless and plain-vanilla Lambdas)
- PHP (15 years experience)
- Data Analytics (Pandas, Spark, NumPy, SciPy, Scikit-Learn, Matplotlib, Bokeh)
- Scrapy
- RESTful APIs
- Relational databases (MySQL/Percona/MariaDb, PostgreSQL)
- NoSQL databases (Redis, MongoDB, DynamoDB)
- Docker
- Tsuru (PaaS)
- Continuous Integration and Continuous Development
- Test-Driven Development
- Monitorization:
 - Elastic Search + Logstash + Kibana
 - Prometheus + Grafana

B) Systems administration (20 years experience)

- FreeBSD (jails, pf, advanced ZFS), Debian, Ubuntu
- Shell scripting
- Ansible, Rundeck & Fabric
- Webservers / Reverse proxies (Nginx, Apache)
- Mail servers (Postfix, dovecot, Amavis, spamassassin)
- HTTP2 / IPV6 / SSL (Let's Encrypt)

C) Front-end developer (21 years experience, though in the last 4 years I moved from active development to supervision and am not planning to go back, except for D3)

- Javascript (D3, Bootstrap, ExtJS, jQuery, knockoutJS, Backbone)
- HTML5, CSS 3, LESS, Jade, canvas and SVG
- gulp, grunt, bower, nodejs/npm



D) Miscellaneous

- git, mercurial, bazaar, pypi
- Google Analytics (administration and report generation)
- Sphinx, ReStructured Text, Markdown, Textile
- Graphic design: Photoshop, Illustrator, GIMP, Inkscape, AutoCAD
- Scrum

3. **Experience** (references upon request)

- **Since Sept 2017:** Senior Software & Infrastructure Architect at **Utilityx | McKinsey & Company**, in charge of:
 - Advanced Analytics Engineering in close collaboration with in-house and client-side Data Scientists
 - Designing and implementing project infrastructure on AWS
 - API design and implementation
- **Sept 2016 – Sept. 2017:** Data Engineer at **HotelBeds Group**, in charge of researching, developing and deploying the Continuously Integrated and Deployed REST back-end for the Data Governance REST API, on an AWS serverless platform (using Django Rest Framework, Zappa and Serverless)
- **April 2015 – Sept. 2016:** Web Team Manager and Back-end Lead at **QDQ Media**, in charge of 3 front-end and 3 back-end engineers developing most client-facing websites and applications.
key team achievements: +50% conversion rate, -50% loading time, -300% ticket resolution time, scrum workflow implemented and major application version development time slashed from 6+ to 2.5 months
- **Sept. 2014 – April 2015:** Back-end Python developer at **QDQ Media**
key team achievements: from manually deployed apps on heterogeneous dev/staging/prod environments with a handful of tests to dockerized, CI/CD apps with 1200 tests, deployed an average of 4 times a day
- **1997-2015:** Freelance Developer at docBase (own company)
Development, deployment and maintenance of various web applications with a heavy emphasis on back-end processes and rich user UI. Graphical design. Deployment and maintenance of own FreeBSD servers for clients in France, Switzerland and Spain, ranging from private individuals, theatre companies, photographers, musicians, architects, building companies, SMEs, retail businesses and international organisations such as the World Bank's **International Trade Center** (2002-2015) and the **International Committee of the Red Cross** (2012-2015)
- **2001-2002:** eCommerce Chair assistant at **University of Neuchâtel**
- **1999-2001:** Partner at **Umbral**, an architecture firm



4. What I am looking for:

- a FOSS-oriented stack and environment
- a DevOps mindset
- a team-centered and Agile workflow
- an organization where
 - tests, Continuous Integration and Development are a must, not a drag
 - conferences and meetups participation is valued and facilitated

5. Language skills

Language	Mother tongue	Read	Write	Speak
English		Advanced	Advanced	Advanced
Spanish	X	Advanced	Advanced	Advanced
French	X	Advanced	Advanced	Advanced
German		Basic	Basic	Basic
Catalan		Advanced	Advanced	Advanced
Italian		Intermediate	Intermediate	Intermediate
Portuguese		Intermediate	Basic	Basic

6. Education

From	To	Field	Institution	Certificate Description	City	Country
1990	1998	Architecture	Ecole d'Architecture de Paris-Belleville	Diplôme d'Etudes Fondamentales en Architecture	Paris	France
1987	1990	Secondary education	Institut Florimont	Baccalauréat C (Science & Mathematics)	Geneva	Switzerland