Rachid Belaid

Software Engineer

ⓘ INFOS

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- ⊙ Master in CS

⍩ ABOUT ME

I am an experienced Python developer with a good database knowledge, with experience in Ops and Javascript. I have a knack for approaching and solving problems with a great attention to detail. I'm always open to learn new technologies which are better suited to solve a problem.

From university to now, I have always been taking on responsibility, and driving new initiatives. I like to be challenged, rolling up my sleeves and getting things done. I'm not afraid to question myself and my code to improve and write better code. I love to share my knowledge or learn from others, and learn new technologies. I have deep care for the user and building good products for them. I would describe myself as fun, passionate, respectful & enjoyable to work with.

⚒ TECHNICAL SKILLS

Programming:	Python (Advanced), Javascript (Intermediate), Go (Novice)
Frameworks	Pyramid, SQLAlchemy, Django, React
IaaS/PaaS:	AWS, Google Compute, App Engine
Ops:	Basic Linux sysadmin, Ansible, Nginx, uWsgi
Databases:	Redis, Postgres
Concepts & Methodology:	SOLID, Functional Programming, Testing, Data Structures, Coding Patterns, System Architecture
Past experiences:	MySQL, Elastic Search, C, Java, PHP, Chef, Monit
Experimenting with:	Haskell, Elixir, Phoenix

⟨/⟩ CODE EXAMPLES & FOSS PROJECTS

You can look at these projects to find code examples using Python, Go, Javascript, React, Postgres.

Pome is a Postgres Metrics Dashboard to keep track of the health of your database.
    🔗 https://github.com/rach/pome

Suma is microservice to manage and control links to external urls within your project. Suma can be used to block external links from your application to fight spam and phishing attacks, but Suma also can extract information from urls as screenshots, titles, or content to provide previews.
    🔗 https://github.com/rach/suma

⊞ EXPERIENCES

07/2013 - 10/2015

Software Engineer & Co-founder
LOST PROPERTY, London

Lost Property was a technical agency that we founded to answer the need of specific technical needs in the Marketing, Advertising and Startup scene in London.

Technologies: Python, Ansible, Pyramid, Django, SQLAlchemy, AWS, PostgreSQL, Elastic Search

Involvement:

- Full stack development
- Ops and configuration management using Ansible
- Implemented search engines for recipes in Python handling boost, weight, ..
- Full-text search engines (Postgres & ES)
- Databases management, Query Optimisation, Indexes management
- Translate client requirements into to tech solution
- Create time and budget estimates for development
- Worked on Cat in a Flat, Warlbr, Seabeard and more

07/2012 - 06/2013

Lead Developer as Independent Contractor
SCOOTA, London

Scoota is a startup with products to build, target, distribute and report on online advertising. I was hired as freelancer to help the technical team with their challenges and to improve the quality and stability of their products.

Technologies: Python, Chef, Django, AWS, Jenkins, Pandas, MySQL

Involvement:

- Backend Development
- Ops and configuration management using Chef
- Setup Continuus Integration
- Automatize deployement and setup of the dev environment
- Implemented Permission system, Ad scheduling system
- Started Internal documentation
- Initiate testing, code review and helped the team to improve with communication

07/2011 - 06/2012

Software Engineer as Independent Contractor
POTATO & GOOGLE, London

Potato is company developing web applications, marketing projects, products, internal tools mainly for Google. As a freelancer there, I developed a project management platform for the Google Creative Labs.

Technologies: Python, Django, Google App Engine, MySQL, Google API's

Involvement:

- Backend development using Python and Django
- Database and Application performance optimization
- Permission system integrated with Google Groups
- Asset managment system using Google Drive

| 02/2010 - 06/2011 | **Technical Lead** |
| | UNIT9, London |

Unit 9 is a digital creative production company employing interactive directors, graphic artists and web specialists to create engaging interactive experiences.

Technologies: Python, MySQL, Django, AWS, PHP, Zend

Involvements:
- Backend development, Ops, 3rd party API's integration (twitter, facebook, ...)
- Handling product delivery and dealing with strict and tight deadlines
- Prototyping, scope feasibities and exploring technical solution
- Development estimates: time and budget

| 06/2008 - 12/2009 | **Software Engineer** |
| | A2BILLING, Barcelona |

A2Billing is an open source project using Asterisk to provide a Telecom Soft Switch pre and post paid billing service, allowing companies to deploy switches for TDM or VoIP services. I worked on the support and new features over the 1.3.4 and 1.4 releases.

Technologies: Asterisk, PHP, Postgres, MySQL, Payments'API

Involvements:
- Full Stack Development on the product
- Development of IVR scripts to refill calling credit
- Developed Invoicing system, Agent System, Payment gateways integration, ...

| 04/2006 - 05/2008 | **Analyst-Developer** |
| | BUYWAY EEIG, Brussels |

Buyway EEIG brings together 3 members of the banking industry (KBC, BNP Paribas, Carrefour) to offer consumer financing products.

Technologies: Java, Struts, Maven, Tomcat, Ant

Involvements:
- Development of systems to authorize credit card, financements online or in a store

| 01/2006 - 03/2006 | **Functional analyst** |
| | SMALS, Brussels |

Managed requirements and scope of a project about staff management for The Federal Public Service.

EDUCATION

2001 - 2005	**Masters Degree in Computer Science** from UMONS in Belgium
	Thesis: creation of an interpreter to run strict relational algebra
2003 - 2005	President of Science Students Society

INTERESTS

Traveling, Art, Drawing, Music, Blogging, Cooking, UX and Design

REFERENCES

References available for the mentioned companies upon request.