

Sébastien Fievet

Software/System Engineer

about

French/Swiss

Driving license/Bike commuter

Proud father of one

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languages

mother tongue French

fluent English

programming

♥ Python, Clojure

PostgreSQL, MySQL/MariaDB

Redis, Memcached

Kafka, KafkaStreams

Kubernetes, ArgoCD, Docker/OCI

Exoscale, DigitalOcean, Amazon

Web Services (AWS)

Ansible, Puppet, Zsh/Bash

Linux, macOS, Git, Vim

elsewhere

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summary

Seasoned and tech-savvy DevOps engineer with 20+ years of experience in various fields

Free and Open-Source Software (FOSS) enthusiast and contributor

Former Meetup organizer & Conference speaker

experience

2020-...

Exoscale/Akenes SA, Lausanne CH

Software/System Engineer

Main achievements:

- Lead and tackled the transition of Account Lifecycle Management applications (Account, Billing, Ticketing) from package-based deployment to fully embrace Cloud Native approach (container, Kubernetes)
- Lead and designed a complete rewrite of the metering application computing Exoscale platform usage focusing on accuracy and scalability
- Maintained and improved Exoscale's internal and managed offering of Kubernetes (Scalable Kubernetes Service (SKS))

2019-2020

KiWi/eBOP SA, Lausanne CH

Software Engineer/Engineer Manager

As Lead Backend Engineer, I managed a remote team based in Mexico City, MX focusing on visibility and velocity for improved reliability of the overall platform. Within only few months, we successfully upgraded all the key components of our stack to latest major releases – Python 2.7 to 3.7, Django 1.11 to 2.2, PostgreSQL 9.6 to 11, with close to zero downtime and no impact on the business.

2017-2019

Finity, Geneva CH

Software/System Engineer

Developed Artificial Intelligence (AI)-powered chatbots and managed overall company infrastructure.

- Developed webhook-based applications leveraging real-time Application Programming Interface (API)
- Trained specific models to detect and answer user queries with Wit, Rasa and DialogFlow
- Developed web-based User Interface (UI) components leveraging Quasar framework to display rich user/bot interactions (inspired and compatible with Messenger Software Development Kit (SDK))

2014-2017

Shoreware, Geneva CH

Software/System Engineer

Managing operations and systems while developing internal tooling to speedup and simplify application development and deployment.

- Transitioned to fast, reliable, idempotent deployments
- Built a web-based interface (ala Ansible Tower) to automatically provision and configure customer instances
- Moved to fully monitored platform with metrics/error aggregation and Continuous Integration (CI)/Continuous Development (CD) support with packaging

- 2013-2014 **SixSq, Geneva CH** Software Engineer
 Worked on Python-powered projects:
 - video server API binding for European Broadcasting Union (EBU)
 - metering system (client and server) for SlipStream™
- 2013 **World Intellectual Property Organization (WIPO), Geneva CH** Software Engineer
 Improved publishing applications for patent classifications (NICE, IPC and CPC).
- 2010-2012 **Hyperweek, Geneva CH** Chief Technology Officer (CTO)
 In charge of the technical side of the startup, including backend development and architecture, deployment and monitoring, infrastructure design and technical strategy/decision.
 - Evolved from fork-based projects to a framework-based approach with reusable components/apps and pluggable customer project
 - Enhanced infrastructure design and monitoring to handle customer scaling/hosting issue
 - Built a Python/Puppet-based deployment tool to handle a SaaS-like strategy
 - Developed dozens of tailored Hyperweek-based projects
- 2009-2010 **Salsadev, Geneva CH** VP Product Development
 Lead developer of the following projects:
 - Browser (Jetpack) plugin leveraging the in-house semantic platform
 - Prototypes for presale
 - Internal cloud-computing platform powered by Eucalyptus Cloud
 - API Proxy application (ala Mashery)
 - Adobe Air-powered semantic application
- 2007-2009 **Rue du Commerce, Aix-en-Provence FR** Software Engineer
 As a member of the marketplace team, I worked as Lead Developer on the following fields:
 - Payment processing
 - Order management
 - Billing accounting
- 2006-2007 **Capgemini, Marseille FR** Software Engineer
 As a member of the Open Source department I worked on:
 - Prototypes for presale
 - Extranet for a french regional institution
 - End user documentation and installation manual for developers
 Between contracts I maintained critical (billing) B2B applications.
- 2005-2006 **Mobivillage, Marseille FR** Software Engineer
 Worked on custom projects like:
 - database-driven applications - like downloading platforms (products catalog listing, online shipment and payment, geolocated services)
 - event-driven websites and mass text-messaging tool for trademarks campaigns
 - a mobile-targeted game editor based on building blocks assembly (ala Vircraft)
- 2004-2005 **Newtgames, Marseille FR** Software Engineer
 Maintained web-3d client and geolocation engine powering MogiMogi - a location-based collecting game. Game deployed in Japan and Spain.

education

2003-2004	Mastère Spécialisé 3D computing and Virtual Reality	Institut Image, ENSAM
2000-2003	Master of Computer Science with honors Specializing in Software Development and Image Computing	Polytech Marseille
1998-2000	Classes Préparatoires aux Grandes Écoles Preparation for national competitive entrance exams to leading French “grandes écoles”, specializing in Physics and Engineering Science	Lycée Frédéric Mistral, Avignon
1998	Baccalauréat in Science with honors Specializing in Mathematics	Lycée Jean Monnet, Vitrolles

out there

- 📍 Born in *Paris* **FR**
- ✈️ Grew up in *Abidjan* **CI** (10 years)
- ✈️ Living in *Lausanne* **CH** since 15 years

recommendations

“During 2.5 years, Sébastien was acting as a real co-founder, involved in crucial decisions, resolving complex issues for our roadmap, our services and our infrastructure. Thanks to his amazing work and involvement, HyperWeek succeeded to deliver on time, reduced support to maximum, improved its processes. Mastering accounting too.”

Raphaël Briner – Founder, *Hyperweek*

“Having worked closely with Sébastien for more than 2 years at HyperWeek, I can say he’s an expert of Python and the Django web framework, of which he was an early adopter. He’s also got excellent DevOps skills. In a short period of time he greatly consolidated the web application stack and built a robust infrastructure which is now running dozens of clients’ projects (most of them extensively using Amazon Web Services).

Sébastien is also a great team player and often raises interesting points which help make a better product. He definitely brings much more than technical expertise to a project.

I would warmly recommend him to anyone looking for an experimented and talented software developer or architect.”

Julien Mouille – Web Designer & Developer, *Hyperweek*

“J’ai recruté Sébastien dans le cadre du développement de la Marketplace de Rue-DuCommerce. Je recherchais alors des Web Développeurs capables de prendre à bras le corps des pans entiers du projet, et de travailler en totale autonomie dans un contexte Agile. Tout au long de notre collaboration, Sébastien a démontré son ouverture d’esprit, sa créativité, son professionnalisme, et sa rigueur. Sébastien sait associer son penchant naturel pour la pointe de l’art, au pragmatisme que nous impose parfois la réalité du business.

Je recommande donc Sébastien sans réserve.”

Johann Evrard – Directeur E-Commerce et Digital, *Rue du Commerce*

“J’ai travaillé avec Sébastien lorsque j’étais chef de projet fonctionnel chez Rue-DuCommerce. Sébastien est efficace, minutieux et passionné. Il fait preuve de créativité et de pragmatisme, trouve des solutions rapides aux problèmes complexes et ne perd jamais de vue la vision business.

Je recommande Sébastien les yeux fermés.”

Caroline Baeyaert – Responsable éditorial Web, *Rue du Commerce*