

Sébastien Feugère

SENIOR SOFTWARE ARCHITECT

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“14 years of software engineering, with experience in architecture design, backend or frontend development, and infrastructure operation. Worked with public institutions, startups and for a survey company. I like to share knowledge and help persons I collaborate with.”

Experience

All Around the World

Remote

SOFTWARE ARCHITECT

Since 2021

- **Booking.com** 2022-03 → 2022-12
 - Worked with the Reactivations team on automating the reopening of customer accounts
 - Creation of cronjobs for marketing campaigns targeting
 - API endpoints and frontend for a campaign Opt-Out feature
 - Aggregate users' search data in partners' local areas to be used in frontend banners
 - MySQL to Hadoop data imports for processing large datasets
 - Perl, tests, MySQL, Moose, Hadoop, Hive, cronjobs, Vue.js
- **Tau Station** 2022-01 → 2022-03
 - Backend development for a text-based Massive Multiplayer Online Browser Game
 - Building models and API endpoints for various game scenarios
 - Database migrations
 - Modern OO Perl, Test fixtures, API testing, frontend testing
- **Opentrons, Pandemic Response Lab** 2021-10 → 2021-12
 - Implemented backend and frontend features for a lab management software used during the COVID-19 pandemic
 - Architecture analysis and documentation of environment setup
 - Leading a team of 5 persons
 - DAO, API endpoints, TypeScript, Vue.js, Mocha

IFOP

Paris, FR

FULL STACK DEVELOPER

2017 → 2021

- *zip-2-city* Creating a web service that collects zip code and statistical data of poll participants
 - Developing a **JSON API** that collects postal and statistical **open data**
 - Development of a **reactive user interface** that allow searching for city names and validate them
 - Mojolicious, DBIx::Class, MSSQL, JavaScript, monitoring
- *bsp-microservice* Emailing campaigns data collection **REST API**
 - **High performance microservice** capturing push data from IFOP's emailing provider
 - **Job queue** and load balancer for handling traffic peaks
 - Mojolicious, Moose, DBIx::Class, Minion, MSSQL, PostgreSQL, 1900 tests, monitoring
- *mail-monitoring* Email campaigns surveillance
 - Following of daily emails credits consumption through a **web client** requesting IFOP's emails provider
 - **Reports** creations sent through a mailing list
 - Mojo::UserAgent, Mojolicious, Sendmail, Email::Sender
- *autocomplete* Input assistance module for surveys forms
 - Allow surveys programmers to easily **upload** a CSV words list that will be used to autocomplete form fields
 - File content provisioning through a high-performance JSON API
 - Dynamic API requests from the front side and reactive user interface DOM manipulation
 - Mojolicious, jQuery, ES6, assets, minification, axios-http
- Application **cache systems**
 - On-disk primary and in-memory *level one*
 - Used for preprocessing long queries in combination with *job queues* or *crons*
- “DevOps”
 - **Debian servers** monitoring
 - **Continuous integration, pipelines** with Gitlab-CI
 - **Containers** with LXC/LXD
 - **Reverse-proxies** configuration with Apache
 - **Load balancing** with Apache or HAProxy
 - Task automatisation with **Makefile, Bash, Perl**
 - **Metrics and monitoring:** Zabbix, updown.io, Netdata, Grafana
 - **Monitoring** and **auto-reboot** of failing services
 - Zabbix probes development for logs analysis and reporting (Perl, Bash)
 - “bare metal” sysadmin (Debian mostly, but can handle any Linux-like environment, experience on Ubuntu and Red Hat)
 - Did a full inventory of production servers and **security audit** of their main components

Etyssa Scop

Paris, FR - Remote

ASSOCIATE WEB DEVELOPER

2014 → 2016

- Front-end integration, platforms creation **automation** and **maintenance** of 60 websites on a JavaEE architecture with a MySQL database
- Infrastructure and database security improvements: setting up of automatic **backups**, and TLS/SSL **Let's Encrypt** configuration
- **Ubuntu servers** maintenance
- **Emails delivery rate** improvement by **Postfix** configuration and using **SASL** authentication
- Front-end switch to **responsive design** and **mobile first** methodology
- User interface **tests** with QUnit
- **Web standards** and **accessibility QA**
- Agile, Scrum, Trello, BitBucket, Github.
- **Customer and user support**
- Customers UX meetings: Malakoff 2011, Paris 2013, Issy-les-Moulineaux 2014

Placeloop

Paris

FRONT-END ENGINEER

2013

- Refactoring of a dashboard **front-end** following a *UX* methodology
- Development of an events timeline consuming a REST API
- **Scrum** methodology
- Customers interviews (UX)
- **Express.js, Node.js, jQuery, Pug, Knockout.js, Sass**

Etyssa

Malakoff

WEB DEVELOPER

2009 → 2012

- **Automation, integration configuration, testing** and deployments of more than 25 sites on a JavaEE & Mysql platform
- Responsible of maintenance and evolutions of the user interface layer: **templating** JSP, CSS, JavaScript, web **standards, accessibility**
- Collaboration with the marketing, sales and design **teams**
- Customers and users **support, community** management

Skills

Perl ecosystem	Modern Perl, DBIx::Class, Moo(se), Regex, POD, CPAN
Languages	Perl, Java, JavaScript, TypeScript, PHP
Architecture, infrastructure	Technical consulting, architecture, specifications
Methodologies and collaboration	Test Driven Development, code reviews, CI/CD, Git(lab hub), Jira, Confluence, reporting
Data	SQLite, MariaDB/MySQL, Postgres, MSSQL, usually using an ORM, Hadoop, Sqitch
Testing, CI	Test Anything Protocol, Test::More, QUnit, Mocha, Browser Stack, Gitlab-CI
Dev toolkit & sysadmin	Git, make, cron, Ack, Tmux, Mosh, CPAN, NPM, Bash
Server	Debian, Ubuntu, Apache httpd, HAProxy, Apache Tomcat, Postfix
Front-end	Web standards, HTML5, CSS3, ES6, Vue.js, jQuery, Babel, React, SASS, Bootstrap
Documentation	Pandoc, Markdown, POD, Latex, Wiki
Web Frameworks, platforms, containers	Mojolicious, Catalyst, Express.js, JSP, node.js, JavaEE, LX(C D)
OS, text editor, IDE	Ubuntu, Emacs, JetBrains DataGrip
Programming paradigms	Object oriented, functional
Open formats, treatment and generation	CSV, JSON, plaintext, XML, YAML
Network, protocols	SSH, HTTP, LDAP, TLS, SMTP, TLS
Monitoring, hypervision	Zabbix, Netdata, Munin, Grafana, updown.io, scripting
CMS	Wordpress, DokuWiki, Mediawiki, Hugo
Linguistic	English (full working proficiency), French (native), Türk (concepts)

Education

Pluralsights Assessments

Online

SELF EVALUATIONS

2020

- *Understanding DevOps* (proficient)
- *Configuration Management with Ansible* (novice)
- *Linux Fundamentals* (proficient)

codeschool.com

Online

MODERN JAVASCRIPT ECOSYSTEM TRAINING

2017

- React, ES2015, best practices, Node.js, Express.js, MongoDB, NPM

AFPA (Association pour la Formation Professionnelle des Adultes)

LEVEL II PROFESSIONAL TITLE

- One year of on-site training about server side-web technologies, focused on JavaEE

Ris-Orangis, France

2008 → 2009

ENSA (École Nationale Supérieure d'Art)

DNSEP (DIPLOME NATIONAL SUPÉRIEUR D'EXPRESSION PLASTIQUE)

- Installations, conceptual and in-situ art, painting, graphism
- First contact with open source software and cultures, open access to information and data, sharing

Bourges, France

2001 → 2006

Interests

- Guitar, bass, synthesizer and drums practice. Covers, compositions, improvisation based music, group or solo
- Vegetable gardening, fruit tree trimming, greenhouse seedling
- Perl and open-source enthusiast
- Interest in horror movies, graphic novels, books
- Translation of a networking and net.art history book