Sébastien **Gélis**
SOFTWARE DEVELOPER

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Software developer deeply in love with Free software.
Experienced in web development.
Enthusiastic lifelong learner!

Skills

Web development	HTML5, CSS3, ES6, Coffescript, Django, PHP, Drupal
Software development	Python, Java
Sysadmin	GNU/Linux, Shell
Databases	PostgreSQL, SQLite, MariaDB/MySQL
Languages	French (native), english (CEFR C1)

Work experience

Back-end developer   *Nov. 2020 - now*
KSD   *Geneva*

Software developer   *June 2018 - Nov. 2020*
KSD   *Perrignier*
- Fullstack Django web developer
- Embedded Python software developer
- Sysadmin

Fullstack PHP web developer   *Mar. 2017 - Nov. 2017*
VISITIT   *Thonon-les-Bains*
- Co-founded a 360° virtual tour builder dedicated to real estate agents.
- Developed a Drupal 8 module (PHP/Symfony).
- Developed a CRUD webapp in vanilla HTML5/CSS3/ES6 querying Drupal's REST API asynchronously.
- Deployed the whole service (CMS + webapp) to a remote GNU/Linux server.

PhD in microbiology   *Nov. 2012 - Jan. 2016*
INRA   *Jouy-en-Josas*
- Half of the PhD work dedicated to bioinformatics.
- Set up data processing pipelines for massive data using Shell scripts running on a mainframe.
- Developed Python and R script for subsequent data analysis.
- Developed complete programs (with GUI or CLI) automating recurring processes.

Education

Software developer degree   *2017*
CEFII   *Angers*

PhD in microbiology   *2016*
AGROPARISTECH   *Paris*

MSc in molecular and cellular biology   *2012*
PIERRE ET MARIE CURIE PARIS VI UNIVERSITY   *Paris*

BSc in microbiology   *2010*
CLAUDE BERNARD LYON I UNIVERSITY   *Lyon*

Portfolio

VisitIT

ONLINE 360° VIRTUAL TOUR BUILDER.

- Developed a Drupal 8 module (PHP/Symfony).
- Developed a CRUD webapp in vanilla HTML5/CSS3/ES6 querying Drupal's REST API asynchronously.
- Deployed the whole service (CMS + webapp) to a remote GNU/Linux server.

Weather@home

DIY PERSONAL CONNECTED WEATHER STATION.

- Self-educational project of a self-hosted connected weather station.
- Simple electronics.
- Developed a simple webapp using Flask and vanilla HTML5/CSS3/ES6.

Static websites

SIMPLE STATIC WEBSITES USING HTML5/CSS3/ES6.

BLASTats

ESTIMATE PROTEIN DISTRIBUTION AMONG STRAINS OF SPECIES OF INTEREST.

- Automated recurring tedious processes including databases querying through APIs, web scraping and data processing.
- GTK+ GUI.

EggnogGenome

FUNCTIONAL ANNOTATION OF CDSs OF A GENOME USING EGGNOG DATABASE.