

David Kremer

+33 (0) 7 77 72 02 43
courrier@david-kremer.fr
david-kremer.fr

Professional background

Nov. 2018 – present **Web Developer**, SportEasy.



SportEasy's goal is to enable digital transformation of sportive associations by simplifying organization of practice at the amateur and semi-professional level.

- Python Django, Django Rest Framework, MySQL
- Maintenance and Evolution of SportEasy Stack
- Assume full backend responsibilities about:
 - Recurring billing and regularization processes
 - Development of the new club product on the API side

Aug. 2017 – Nov. 2018 **Python Developer**, Budget-Insight.



Budget-Insight, founded in 2012, is specialized in data aggregation on the retail banking and financial investment level. At Budget Insight, we aim to simplify money management for individuals and companies.

- Python: SQL Alchemy, Flask, Django
- Maintenance and Evolution of the Budget API
- Maintenance and Creation of new scrapping connectors
- Integration of end-to-end encryption (with JWE standard)
- Reverse Engineering of android banking applications

Aug. 2016 – Jun. 2017 **Developer**, Sewan.



Sewan is a next-generation operator providing telecommunication services (voice, data, hosting) for corporate clients.

- Python2.7, MySQL (percona), JavaScript, PHP
- Tools : Jenkins, Gitlab, PyCharm
- Active support for internal users of our central provisioning software tool
- Evolution, test and maintenance of a large legacy codebase
- Conception and build of isolated testing environments

Sep. 2014 – May 2016 **Mathematics teacher**.

- Skill set: teaching methodology, public speech, group management
- Material taught: Physics, Chemistry, Mathematics, Information Technology

Oct. 2010 – Apr. 2014 **PhD in molecular physics**, MOLTECH Anjou.



Induced polarizabilities in green-house gases

- Experimental data processing with statistical tools (NumPy, R)
- Model regression, signal processing
- Article redaction and research reporting
- Literature review, state-of-the-art studies

Technical Skills

- Algorithms Standard knowledge of data structures and algorithmic processing of such structures (queues, stacks, graphes, etc)
- System Programming Good notions of multithreading, multiprocessing and scheduling
- Mathematics Solid knowledge of statistics, signal processing and numerical analysis

Languages, Framework and Technologies

- Scripting Languages Python 2 & 3, Ruby, Matlab®, JavaScript, PHP
- Compiled Languages C, golang, Java
- Functional Languages Haskell, Scala
- Python Frameworks Django, Django Rest Framework, Flask, PyTest
- Database MySQL, SQLite, mongoDB, postgresSQL
- Operating Systems Linux (ArchLinux, Debian); Docker; Good knowledge of unix-like operating systems.
- Office software
 - Spreadsheet applications
 - Knowledge in technical writing and publishing

Scholarship and formations

- Summer 2016 **Formation M2I**, Java/J2EE, Information Technology, Paris, La Défense.
 - Familiarization with a statically typed, object oriented language
 - Familiarization with the Java ecosystem and standard library
 - Java DBMS and serialization frameworks (hibernate)
 - Program design and implementation
- 2010 – 2014 **PhD (Physics)**, *CNRS – MOLTECH-Anjou*, Angers.
Atomic and Molecular Spectroscopy Specialization
- 2008 – 2010 **Master's degree**, *Angers University – Joseph Fourier University*.
 - Data processing and Physical Measurements
 - Statistical Analysis and Model Regression.
 - Non-Linear Optics, Lasers
 - Particle Physics and Standard Model
 - Numerical and Statistical Simulations

Other

- French mother tongue
- English fluent
- Soft-Skills
 - Autonomy, good problem-solving skills
 - Very creative yet disciplined and objective-oriented
 - Multi-field knowledge (programming, mathematics, physics)

Leisure's Activities

- Books Computer Science Books, Novels, Theater
- Music Classical and Jazz Music
- Sport Swimming, Hiking, Football