David Kremer

4, rue de Panama 75018 Paris - France \bigcirc +33 (0) 7 77 72 02 43 ⊠ courrier@david-kremer.fr

Professional background

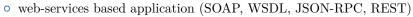
Sep. 2017 – present Python Developer, Budget-Insight.



- Python: SQL Alchemy, Flask, Django
- Maintenance and Evolution of the Budgea API
- Maintenance and Creation of new scrapping connectors • Integration of end-to-end encryption (with JWE standard)
- Migration of the job scheduler from Gearman to Celery+RabbitMQ.

Budget-Insight, a private company founded in 2012, is specialized in retail banking and financial investment data, targetting finance-related and accounting professions as well as helping individuals with day-to-day finance management.

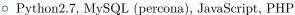
Jun. 2017 – Aug. 2017 Fullstack developer, Outscale SA, Cloud Provider.





- SQL Alchemy, Flask, Django, uWSGI
- o Tools: Jenkins, Gitlab, Jira, Confluence, PyCharm®

Aug. 2016 – May 2017 **Developer**, Sewan, Telecom operator.





- Tools: Jenkins, Gitlab, PvCharm
- 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

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

Sep. 2014 – May 2016

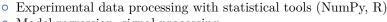
Mathematics teacher.

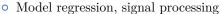
- Skill set: teaching methodology, public speech, group management
- Material taught: Physics, Chemistry, Mathematics, Information Technology

October 2010 – April 2014 PhD in molecular physics, MOLTECH Anjou.



Induced polarizabilities in green-house gases





- 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/C++, golang Functional Languages Haskell, Scala

Python Frameworks Django, Django Rest Framework, Flask, PyTest

Database MySQL, SQLite, mongoDB, postgreSQL

Operating Systems Linux (ArchLinux, Debian); Docker; Good knowledge of unix-like operating

systems.

Office software $\, \circ \,$ 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 measurements
- Statistical analysis and model regression.
- o Optique des lasers, optique non-linéaire
- o Particle Physics and Standard Model

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