

Étienne Lebrun

Python Backend Engineer

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Work experience

July 2019 – **Webgrape**, *Artal Technologies*, Toulouse, lead dev full stack python/extjs.

Today web interface for radioactive particles visualisation, for the CTBTO (U.N. agency) :

- Migration of existing application to a micro-services architecture on Kubernetes, setup of the infrastructure, deployment with Helm and Terraform
- Python (flask) services conception & implementation, new visualisations with Numpy
- migration of Python 2 computations to Python 3 services

June 2018 – **Focuss**, *Artal Technologies*, Toulouse, Technical lead, fullstack dev (7 person team).

June 2019 maritime surveillance based on satellite images interpretation

- micro-services partitioning, kubernetes infra and deployment, CI on Gitlab
- development of Java Spring and Python services ,front-end development with Angular 5
- technical support for the customer

December 2015 **IPF, Oceanway**, *Artal Technologies*, Toulouse, Java dev.

- June 2018 ◦ Maintenance of IPF, a statistical indicators production chain: addition and updates of data interpolation and computation algorithms, SQL queries optimisation, porting of the application onto the Google Cloud Platform
- Maintenance of Oceanway, a marine vessel detection application : data intake and generation in various formats: XML, PDF and KML. Updates and new features on the UI

Mars 2015 – **Internship**, *Elta (Areva)*, Toulouse.

Sept 2015 Design and realisation of a laboratory equipments handling system:

- Conception of a booking and tracking solution
- Specification and implementation of a web application (python Django)
- Setup of a server to host the application

Skills

Python programming	Django, Flask, Numpy, peewee, PyTest	BD	Postgres/Postgis
Java programming	Maven, Spring, Hibernate, JUnit	CI	Gitlab, Jenkins
CVS	Git, SVN	GIS	QGIS, Mapserver, Postgis, GDAL
Cloud	GCP, Azure: queues, blob storage, VMs ...	Devops	Docker, Kubernetes, Helm, Terraform, Packer
Frontend	Angular 5, Extjs	IDE	Eclipse, VS Code
Conception	REST, micro-services architecture, object oriented programming, Agility		
English	B2/C1 level	several stays in anglophone countries, business trips to Vienna	
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Education

Sept 2014 – **exchange program**, *École Polytechnique de Montréal*, Canada.

Dec 2014 software engineering classes

Sept 2012 – **Engineer school**, *ENSEEIH*T, Toulouse.

Oct 2015 software engineering & Applied Mathematics

2010 –2012 **MPSI/MP preparation classes**, *Lycée Jeanne d'Albret*, Saint-Germain.

June 2010 **Scientific baccalaureate**, *Lycée Passy-Buzenval*, Rueil-Malmaison.
speciality mathematics, Good mention

Interests

Reading, Board games, Video games, Running