Étienne Lebrun

Python Backend Engineer

82 av de la convention
94110 Arcueil
✆ *+33 (0)6 72 49 78 54*
✉ *etienne@nurbel.fr*

Work experience

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

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 – June 2019	**Focuss**, *Artal Technologies*, Toulouse, Technical lead, fullstack dev (7 person team).

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 – June 2018	**IPF, Oceanway**, *Artal Technologies*, Toulouse, Java dev.

- 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 – Sept 2015	**Internship**, *Elta (Areva)*, Toulouse.

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,*
	Toeic 975 / 990		*business trips to Vienna*

Education

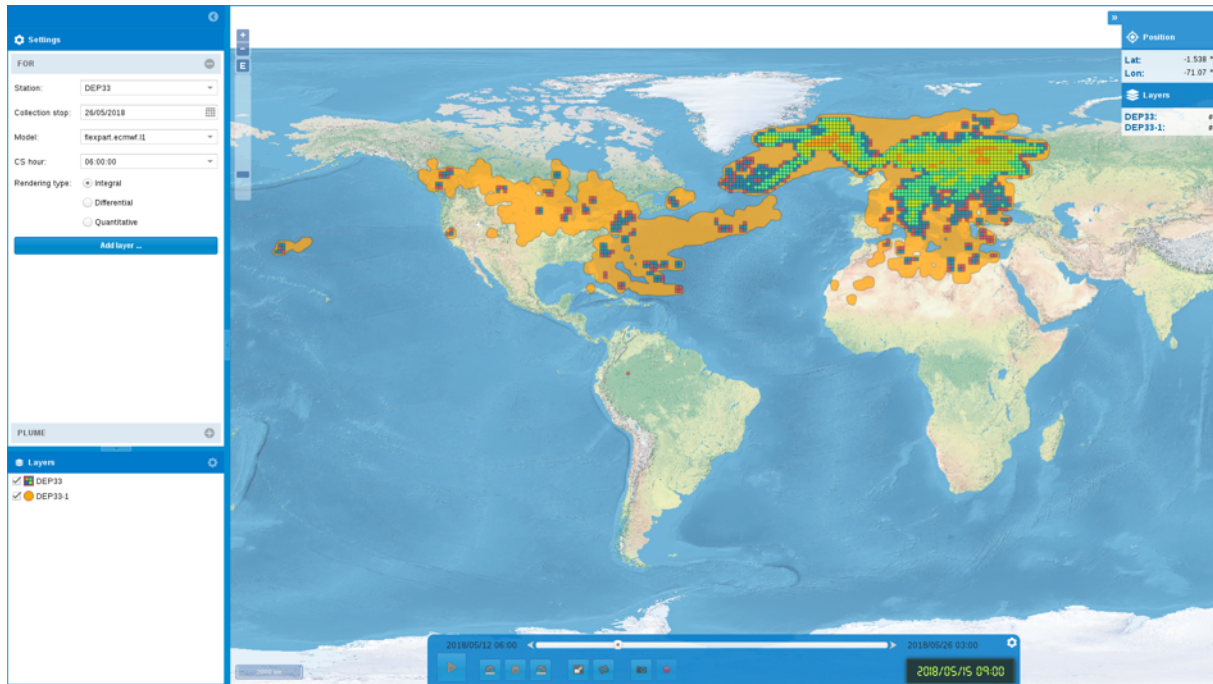|	
Sept 2014 – Dec 2014	**exchange program**, *École Polytechnique de Montréal*, Canada. software engineering classes
Sept 2012 – Oct 2015	**Engineer school**, *ENSEEIHT*, Toulouse. software engineering & Applied Mathematics
2010 –2012	**MPSI/MP preparation classes**, *Lycée Jeanne d'Albret*, Saint-Germain.
June 2010	**Scientific baccalaureate**, *Lycée Passy-Buzenval*, Rueil-Malmaison. speciality mathematics, Good mention

Interests
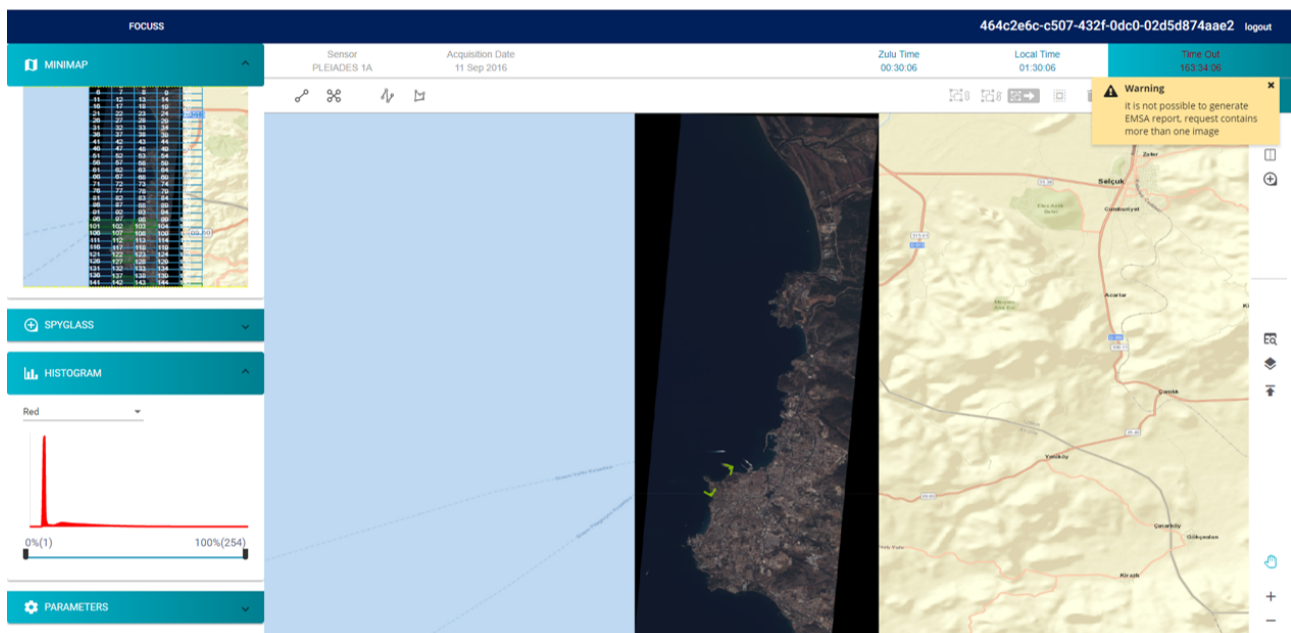
Reading, Board games, Video games, Running
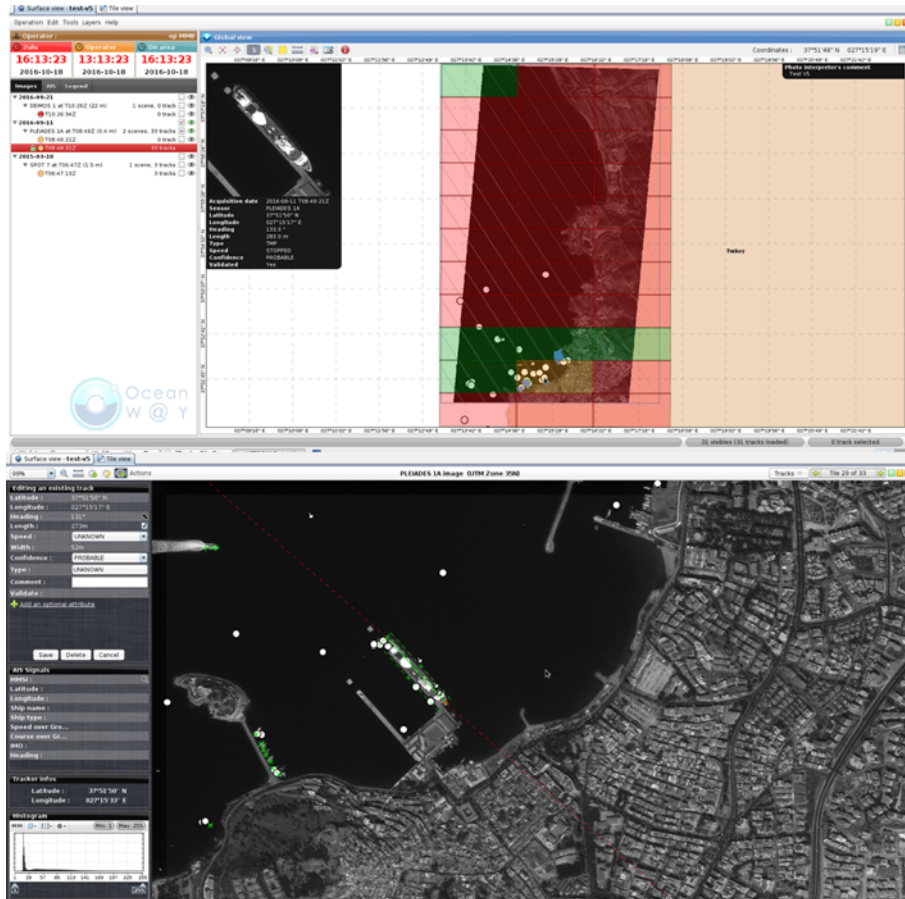
Illustrations

Webgrape
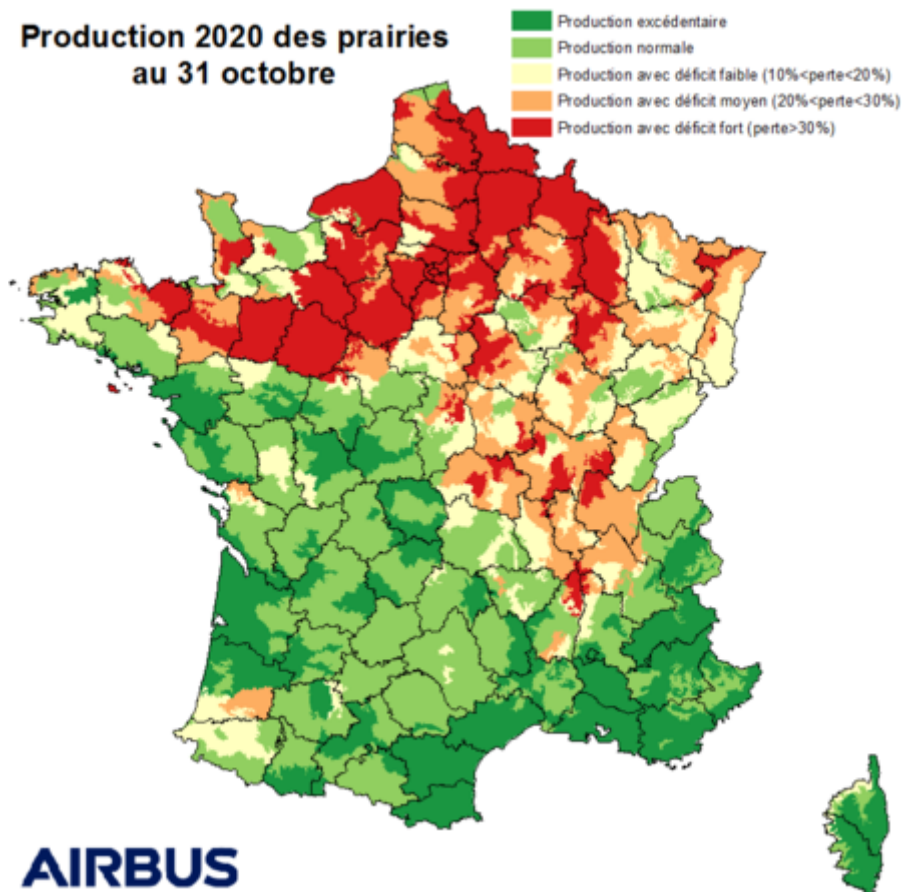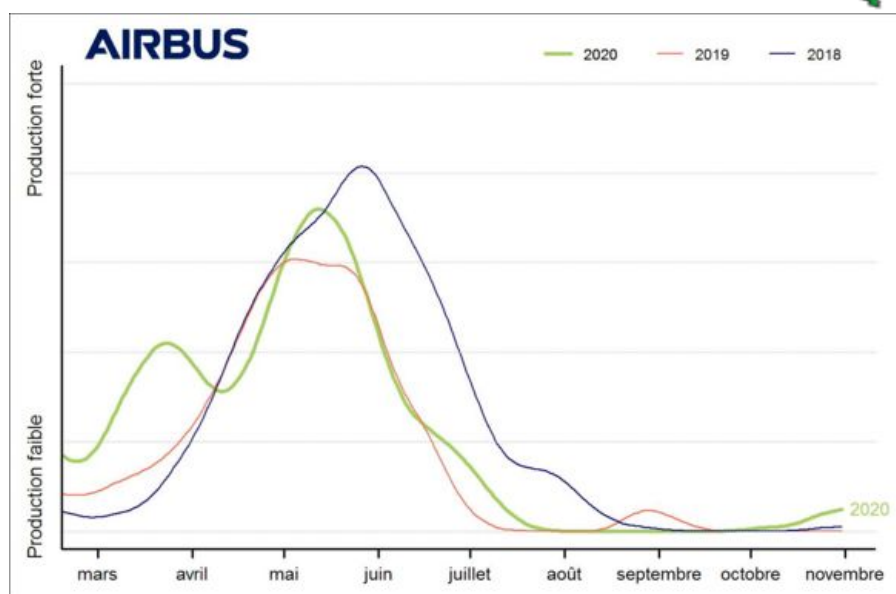

radioactive particles dispersion modeling

Focuss

FOCUSS vessel detection interface

Oceanway

Oceanway vessel detection interface

Production 2020 des prairies au 31 octobre

Production excédentaire
Production normale
Production avec déficit faible (10%<perte<20%)
Production avec déficit moyen (20%<perte<30%)
Production avec déficit fort (perte>30%)

AIRBUS

AIRBUS

Production forte

Production faible

— 2020   — 2019   — 2018

2020

mars   avril   mai   juin   juillet   août   septembre   octobre   novembre

growth indexes computed by IPF