

# Pierre Zemb

INFRASTRUCTURE ENGINEER

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## Education

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### Deep Learning Specialization

*Coursera*

MOOC

2017

- Neural Networks and Deep Learning, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Structuring Machine Learning Projects and Convolutional Neural Networks

### ISEN (Institut Supérieur du Numérique et de l'Electronique)

*Brest, France*

MASTER DEGREE

*Sept. 2010 - Sept 2016*

- Software Engineering Specialization: Tomcat, RPC, JEE, Spring, Spring Boot, JUnit, Android), Perl
- Computer and Network Specialization: C, C++, Java, PHP, MySQL, HTML5/CSS3, JavaScript, CCNA

## Experience

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### OVH

*Brest, France*

INFRASTRUCTURE ENGINEER ON METRICS DATA PLATFORM

*Since Oct. 2016*

- Taken part of most of Metrics development, from internal management to Ingress/Egress queries
- Implementation and deployment of a distributed and scalable alerting system using Apache Flink
- On-call duty on more than 500 servers, including:
  - 3 Warp10 fully distributed clusters, including one that handling 1.5 millions datapoints per second
  - 3 Hadoop clusters, including a 150 Hadoop cluster running a 40k regions Hbase table
  - Various Apache technologies, such as Kafka, Zookeeper and Flink
- Training and support for both external and internal client of Metrics, including WarpScript
- Used Flink, HBase, Hadoop, Kafka, Ansible, Go, Rust, Java, Linux, WarpScript on a daily basis

### OVH

*Wroclaw, Poland then Brest, France*

PART-TIME INTERNSHIP: SOFTWARE ENGINEER

*Juin 2015 - Sept. 2016*

- Implementation and distribution of a new monitoring solution.
- Implementing of automatic detection of Common Vulnerabilities and Exposures (CVE) of a server.
- Used Flink, Hbase, Phoenix, gRPC, Kafka, OpenStack on a daily basis

### Crédit Mutuel Arkéa

*Brest, France*

PART-TIME INTERNSHIP: SOFTWARE ENGINEER

*Juin 2013 - Sept. 2014*

- Creation of a Pig job automation backend on a Hadoop platform.
- Used Java, Hadoop, Pig, Flume, ZooKeeper, Kafka, Elasticsearch on a daily basis

## Presentation

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### Rediscover the known data Universe with NASA dataset

HANDS-ON TO SEARCH FOR EXOPLANETS WITH WARPSCRIPT

2018

- Given at BreizhCamp, RivieraDev, DevFest Lille, Sunny Tech, Jug Summer Camp, DevFest Nantes, BDx.io

### Metrics experience beyond protocols

STORY ON HOW AND WHY WE BUILT METRICS ABOVE OPEN-SOURCE TECHNOLOGIES

2017

- Given at Paris Open Source Summit

## Associative

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2019	<b>Co-organizer</b> , DevFest du Bout Du monde	<i>Brest, France</i>
2018	<b>Co-Founder</b> , HelloExoWorld	<i>Brest, France</i>
2018	<b>Member of the Board of Directors</b> , AndaoVras	<i>Brest, France</i>
2017 - 2019	<b>Teaching assistant</b> , Introduction to Big-Data/Time-Series/Streaming	<i>Brest, France</i>
2016 - 2019	<b>Co-organizer</b> , Devox4Kids	<i>Brest, France</i>
2016 - 2019	<b>Co-organizer</b> , FinistDev JUG/GDG	<i>Brest, France</i>
2015 - 2019	<b>Co-organizer</b> , Startup Weekend	<i>Brest, France</i>
2013 - 2014	<b>Vice-President</b> , Electronic Club ISEN Brest	<i>Brest, France</i>