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**Blue Brain Project**

*Ecole Polytechnique Fédérale de Lausanne  
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Dear Sir or Madam,

I am pleased to submit my application for the position of "Data Integration Engineer" at EPFL.

I have been working in large scale data management for 5 years now. I was able to develop on a large scale Hadoop platform at EDF for my first job. I started by developing data integration patterns according to their type and volume (Java MapReduce, Spark, Oozie ). I was then technical expert for the Proofs Of Concepts related to Hadoop , and finally project manager for the integration and the enrichment of the web tracking data of the EDF Group.

I then left for the Casino Group (mass-retail group), where I maintained all the RelevanC's (a subsidiary) data infrastructure. In this context I administered 3 Hadoop clusters, installed 2 new Elasticsearch clusters for a new product and a Kubernetes cluster used to automate the deployment of the different APIs via a Gitlab CI/CD I built. This allowed me to familiarize myself with linux system administration via bash and Ansible, the architecture of data information systems, and the setup of good development methods that are sometimes misunderstood by Data Scientists.

Your offer is of particular interest to me because I would like to work closer to the academic world. In parallel with my various positions, I also taught courses on Hadoop at Paris 1 University as well as at Télécom ParisTech School, it's a world that I never really left. My master's degree title was "Data, Knowledge and Natural Language" where I studied NLP and Knowledge Engineering, so I'm familiar with Ontologies , RDF/Triple stores even if I never applied it in my professional life. I think this position would be a great way to reconcile my initial and more recent skills.

Yours faithfully,

**Hadrien Negros**