
R&D Engineer / Backend Developer

Information Retrieval, Semantic Web, Stream Processing, functional programming.

Technical Skills

Languages: **Clojure, Java**, Haskell, Python, Javascript.

Semantic Web: **RDF, SPARQL, RDFs, OWL**, Ontologies.

Databases: **Elasticsearch, Virtuoso, Druid, MongoDB**, Kafka, Redis, MySQL, PostgreSQL.

Machine learning: **Social Network Analysis**, Named Entity Recognition, Recommendation, Classification.

Frameworks: **Twitter APIs, Lucene, Gephi, Play!, Akka**.

Professional Experience

Vigiglobe: R&D Engineer / Backend developer (2014 - now)

R&D engineer, developing a real time social media analytics platform which mines and aggregates thousands of messages per second. My contributions range from backend development (70%) to research on NLP and Social Media mining (30%). In particular, I have developed components for brand recognition, geolocation, search, and statistical trend detection.

Technologies: Clojure, Haskell, Semantic Web, Elasticsearch, MongoDB, Virtuoso, Druid, Redis, Kafka, Lucene.

Mnemotix: R&D Engineer / Semantic Web developer (2013 - 2014)

Developed a distributed medical knowledge base for e-ginseng ANR project enabling large-scale epidemiology analysis on distributed autonomous medical data sources. Developed a semantic social network analysis and visualisation framework enabling to extract strategic positions, discover communities and make social recommendations.

Technologies: Java, Scala, Semantic Web, Play! framework, Akka, Gephi Toolkit, MongoDB, sigmaJS, Elasticsearch, Mahoot.

Alten: Semantic Web Developer at Orange (2011 - 2013)

Developed a knowledge base, taking advantage of Semantic Web technologies, to supply business intelligence frameworks and information retrieval services for Orange search engine.

Technologies: Java, Python, Semantic Web, Virtuoso Universal Server, Dbpedia, XML, MySQL, Perl.

Orange Labs / INRIA: Research Engineer (2007 - 2010)

Ph.D. thesis on semantic social network analysis.

<https://tel.archives-ouvertes.fr/tel-00586677/>

Technologies: Java, Semantic Web, Gephi.

Education

2011:

Ph.D. in Computer Science, Telecom ParisTech, France.

2007: Master degree in Computer Science, Polytech Nice Sophia, France.

Some Publications

2014: Global Initiative for Sentinel e-Health Network on Grid (GINSENG): Medical Data Integration and Semantic Developments for Epidemiology. S. Capiere, G. Éréteo et al, 14th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing

2011:

Semantic Social Network Analysis.

G. Ereteo, Ph.D. Thesis.

2009:

Analysis of a real online social network using Semantic Web frameworks.

G. Éréteo et al, 8th International Semantic Web Conference.

English

TOIC score: 825

Others

Boxing, athletics.

PSC1 (first aid level 1)