

Ben Fradet

Data engineer

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GitHub: [BenFradet](#)

EXPERIENCE

- Jan 2018 - present + **Data engineer, Snowplow Analytics** - remote
Converting the existing Scalding jobs to Apache Spark
Technical environment: Scala, [Spark](#), [Scalding](#), AWS
- Feb 2015 - Dec 2016 + **Data engineer, Ministère de la Défense (French ministry of Defense)** - Paris, France
Built the new stream processing platform based on Spark and Kafka
Developed our custom ETL with Akka
Worked with a legacy, Storm-based, stream processing platform
Wrote Pig jobs
Technical environment: Scala, Java, [Spark](#), [Kafka](#), [Akka](#), [Storm](#), [Pig](#)
- Jun 2014 - Sep 2014 + **Software engineer, Snowplow Analytics** - remote
Built a RESTful API for [Iglu](#), a JSON schema repository
Technical environment: Scala, PostgreSQL, [Spray](#), [Akka](#), [Slick](#), [Swagger](#)
- Feb 2013 - Feb 2014 + **Software engineer, SAP** - Galway, Ireland
Made an internal testing tool compatible with new software running on SAP Hana
Built a data warehouse and the dashboards/monitoring tools associated
Technical environment: C#, Microsoft SQL Server, SAP Hana, WPF, WCF

PROJECTS

- Aug 2016 - present + [spark-kafka-writer](#)
Writing Spark RDDs and DStreams to Kafka seamlessly
- Feb 2015 - present + **Open source contributions**
Diverse contributions on [Github](#) to [Spark](#) and other open source projects
- Apr 2014 - present + [benfradet.github.io](#)
Personal blog containing mostly machine learning related articles
- Dec 2013 - present + [RiotSharp](#)
C# wrapper around [the Riot Games API](#)

EDUCATION

- Sep 2009 - Jun 2015 + **Diplôme d'ingénieur en informatique (Master in Computer Science)**
focused on data science and machine learning: SVM, neural networks, KMeans, etc
University of Technology of Compiègne (Compiègne, France)
- Aug 2011 - Feb 2012 + Semester in Sweden studying image processing and biometrics
Högskolan Dalarna (Borlänge, Sweden)
- Jun 2009 + French baccalauréat concentration Mathematics with (high) distinction (high school diploma)
Lycée Blaise Pascal (Châteauroux, France)

SKILLS

Computer Science

General purpose programming languages	Scala, Java, C#
Scientific computing programming languages	R, Octave/Scilab/Matlab
Development tools	vim, Atom, Git, sbt, vagrant, docker

ACTIVITIES

Cross-training, swimming, running, handball, snowboarding
Reading technical books (on machine learning and computer science in general) and heroic fantasy