

BEN FRADET

LEAD DATA ENGINEER

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Experience

Jan 2017 to present: **Lead data engineer, Snowplow Analytics** - remote
Created the data pipeline on GCP
Started the dockerization effort with snowplow-docker
Designed and implemented a new approach to data quality and data recovery
Refactored and maintained the AWS and Kafka real-time pipelines as well as the batch pipeline
Built a seamless integration with Google Analytics
Led and grew the open source community in the snowplow/snowplow repository and others
Technical environment: Scala, AWS, GCP, Spark, Beam, Kafka

Feb 2015 to Dec 2016: **Data engineer, French ministry of Defense** - Paris, France
Built the new stream processing platform based on Spark and Kafka
Developed our custom ETL with Akka
Maintained a legacy, Storm-based, stream processing platform
Wrote Pig jobs
Technical environment: Scala, Java, Spark, Kafka, Akka, Storm, Pig

Jun 2014 to 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 to 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 dashboarding tools associated
Technical environment: C#, Microsoft SQL Server, SAP Hana, WPF, WCF

Projects

Creator

dashing: dashboards to monitor the health of your open source organization
gsheets4s: Scala wrapper around the Google Sheets API
struct-type-encoder: deriving Spark DataFrame schemas from Scala case classes
spark-kafka-writer: writing Spark RDDs and DStreams to Kafka seamlessly
RiotSharp: C# wrapper around the Riot Games API

Maintainer

snowplow: analytics platform
github4s: a GitHub API wrapper written in Scala
circe-fs2: streaming JSON parsing and decoding with fs2

Contributor

unison
scio
spark

Education

Sep 2009 to Jun 2015: **Diplôme d'ingénieur en informatique (Master in Computer Science)**
Focused on machine learning and data science: SVM, neural networks, KMeans, etc
University of Technology of Compiègne, Compiègne, France

Aug 2011 to Feb 2012: **Semester abroad studying image processing and biometrics**
Högskolan Dalarna, Borlänge, Sweden

Jun 2009: **French baccalauréat concentration Mathematics with (high) distinction**
Lycée Blaise Pascal, Châteauroux, France

Technical

Scala	Apache Spark	Docker
Haskell	Apache Beam	Terraform
	Apache Kafka	

Activities

Cycling, bicycle touring, running, snowboarding
Reading books on software engineering, decision-making, etc.
Real-time strategy video games