Romain **Gallet**
Grum **Ltd**

SOFTWARE ARCHITECTURE · DATA ENGINEERING

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CONTRACTS ONLY - LONDON ONLY

Engineering and consultancy services within the media, financial and publishing industries.
Grum Ltd *provides expertise in high availability architectures around streaming data pipelines.*

Consulting

Compare The Market
DATA ENGINEER

London
Jan. 2020 - current

kafka, aws, scala, spark streaming, akka streams, apache nifi, terraform, gocd, data pipelines
- Designing streaming data pipelines with akka streams and spark streaming.
- Terraform, aws code build and gocd infrastructure management.
- Management and migration of kafka clusters to msk. Security and performance guidance and tuning.

Depop
DATA ENGINEER

London
June 2019 - Dec. 2019

go, kinesis, akka-streams, kafka-streams, kubernetes/helm, airflow, cats, fs2
- Designed streamed redshift upserts with kinesis (kpl, kcl) and akka-streams data processors.
- EKS and Helm application deployment life-cycle management.
- Research and identification of opportunities, developing proposals and recommendations.

The Guardian
DATA ENGINEER

London
Oct. 2018 - May 2019

kafka, kafka-streams, kubernetes/eks, athena, spark/emr, airflow, cats, fs2
- Implementation of spark etl pipelines on aws emr, processing readers' revenue and subscriptions datasets.
- Designed and built alternative streaming pipelines with aws msk (kafka), eks and kafka-streams.
- Implemented in-memory data streams using http4s and fs2.

Sainsbury's
DATA ENGINEER

London
Dec. 2017 - Sept 2018

kafka-streams, hbase, spark, schema-registry, aws ecs/ecr, ansible, terraform, circle ci, tdd/bdd
- Architecture and deployment of kafka clusters using terraform and ansible on aws ecs – both apache and cloudera (cdh) versions, kms and kerberos.
- Design and implementation of stateful etls with kafka-streams, kafka-connect, and schema-registry. Data analytics using hive, spark and zeppelin.
- Implementation of pii- and gdpr-compliant stream processors using data tokenisation and encryption.

Home Office (HMPO & IPT)
SCALA ENGINEER

London
June 2016 - Nov. 2017

micro-services, rest apis, play, akka-streams, terraform, kubernetes, circle ci, tdd/bdd
- Api contract testing using swagger and gatling. Experimentations with pact. Dockerised integration tests and applications.
- Implementation of resilient data transfer layers atop akka-streams and akka-persistence.

HMRC (Valuation Office Agency)
SCALA ENGINEER

London
Nov. 2015 - May 2016

play, akka, jquery, gatling, mongodb, docker, micro-services, tdd/bdd
- Design and implementation of an akka wrapper around a legacy web application.
- Delivered a gds-compliant solution that turned a seldom-used service to a country-wide first-choice platform for council tax and business rates collections.

Home Office (HMPO & Border Force)
SCALA ENGINEER

London
Mars 2014 - Oct. 2015

play, akka, jquery, mongodb, puppet, agile, tdd/bdd
- Design and implementation of a flight arrivals prediction engine. Resiliency and recovery procedures using akka and rabbitmq.
- Implemented akka-clustered clients to legacy apis with flow management (nagle-like) and exactly-once delivery semantics (passport applications).

Capco
FULL STACK JEE ENGINEER

London
Mars 2014 - Oct. 2015

agile, tdd (mockito), hibernate, spring, ec2, angularjs, git, jenkins
- Development of a change management tracking system for banks and financial institutions. Implemented continuous integration life cycle. Designed backup, restore and disaster recovery procedures.

News UK (News International)
FULL STACK JEE/GRAILS ENGINEER

London
Nov. 2012 - June 2013

agile, tdd (gmock), bdd (spock), grails, spring, jquery, dynamodb/rds/cloudwatch, gradle
- Implementation of federated registration and authentication with social media integration (openid, oauth).

HappyInc Ltd (now Blow Ltd)
FULL STACK JEE/GRAILS ENGINEER
London
Jul. 2012 - Sept. 2012

agile/xp, tdd (gmock, jenkins, jmeter), bdd (geb, selenium), grails, jquery, spring, rackspace cloud
- Implemented full CI deployment life cycle, DR management and DB backup and restore.

BSkyB (Sky Group)
FULL STACK JEE/GRAILS ENGINEER
London
Aug. 2011 - June 2012

agile/xp, tdd, grails, jquery, geb/selenium, ha-jdbc
- Built BSkyB's editorial and publishing news platform (cms) and the consumer facing website `news.sky.com`, in grails.

DMC Digital
SENIOR JEE ENGINEER
London
Dec 2010 - July 2011

spring, spring-batch, spring-security, hibernate, solr, junit/jmock, grails

ITHR
SENIOR JEE ENGINEER
London
Oct. 2010 - Nov. 2010

spring, struts, hibernate, oracle, jboss, fitnesse

Other professional experience

TripAdvisor
TECHNICAL LEAD - FULL STACK JEE ENGINEER
London
June 2008 - Aug. 2010

php, jse, tdd, agile, seo

SixAndCo (Fullsix group)
TECHNICAL LEAD - FULL STACK JEE ENGINEER
London
Dec. 2006 - Apr. 2008

spring, hibernate, lucene, oracle, xml/xslt

VoxMobili (Anéo)
JAVA ENGINEER
Paris
Sep. 2006 - Nov. 2006

spring, hibernate, mysql, sync-ml, jfreechart

Fullsix
FULL STACK JAVA ENGINEER
London
Aug. 2004 - June 2005

tomcat, sun sas, oracle, wap gateways, payment gateways

BoxNewMedia
JUNIOR FULL STACK JAVA ENGINEER
London
July 2003 - July 2004

tomcat, jee, xml/xsl

AVS Consulting
JUNIOR FULL STACK JAVA ENGINEER
London
Mar. 2002 - July 2002

tomcat, jee, jse, syncml

Education

HEC & Télécom Paris (ENST)
MASTER IN DIGITAL BUSINESS MANAGEMENT
Paris, France
2006

Greenwich University
MASTER IN INTERNET TECHNOLOGY AND E-COMMERCE, 1ST CLASS WITH DISTINCTION
London, UK
2004

Université de Picardie Jules Verne
MASTER ISRI (INGÉNIERIE DES SYSTÈMES ET DES RÉSEAUX INFORMATIQUES), 1ST CLASS
Amiens, France
2003

Birmingham University
BSC IN COMPUTER SCIENCES / MAÎTRISE D'INFORMATIQUE
Birmingham, UK
2002

Certifications

2017   **Functional Programming in Scala**, École Polytechnique Fédérale de Lausanne
2012   **Oracle Certification for Java Programmer (OCJP)**, Oracle

Other projects

Rentbarometer
RENTBAROMETER.COM
- A data-driven website aiming to restore some fairness and balance in the property rental market in London.

GeoCalc
GITHUB.COM/GRUMLIMITED/GEOCALC
- Geocalc is a simple java library providing arithmetic tools to manipulate Earth coordinates