



Robin Ferré

FREELANCE FULL STACK ENGINEER

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Skills

Software architecture	Full stack development, Data science, Micro Service, User Experience, User Interface
Programming languages	Javascript, Typescript, Python, Java, Bash
Frameworks	NestJS, ExpressJS, VueJS, Springboot
Databases	PostgreSQL, MongoDB, SQL
Data	Nifi, ETL, Dataiku, ELK, Tableau, Data science
Pratiques techniques	Devops, Agile, UI first, TDD, API Rest, GraphQL
Technologies	NodeJS, Linux, Docker, Git, Kubernetes, Ansible, NPM, Virtualisation
Soft skills	Autonomy, Tech Sales, Challenge, Communication, Conflict resolution, Active listening

Experiences

Lemonway

Paris, France

FREELANCE FULL STACK ENGINEER

April 2022 - January 2023

- Management / Project team: 7 people.
- Context: Lemonway is a scale-up of about 150 people. As a fintech, it offers payment solutions dedicated to marketplaces (B2B, B2C and C2C), participative financing platforms as well as to corporates requiring payment and fundraising services on behalf of third parties in a secure and regulated framework (KYC).
- I work on the fullstack development of the application used by analysts to process and verify the tens of millions of Lemonway users (customer/merchant identification, fight against financial crimes and money laundering).

Transway

Nantes, France

FULL STACK ENGINEER, DATA SCIENTIST

February 2020 - February 2022

- Engineer on several projects for Transway, a 25-person start-up promoting ecomobility. The different projects aim to boost the use of public transport, cycling, carpooling and walking. I worked on the development of a multi-tenant PaaS for loyalty programmes, around a movement tracker, on the R&D on MaaS (mobility as a service), on the coaching of junior profiles and then on the implementation of the management, processing and visualisation/reporting of data for all Transway's projects.

Airbus Defense and Space

Elancourt, France

SOFTWARE ENGINEER

October 2018 - February 2020

- Developer and integrator on the back-end of the project Massive Intelligence. International project with 10 other teams in agile mode. This project aims to bring together all intelligence services on a single platform (Open Source, Satellite Imaging, Intelligence...). Data is ingested, processed and visualised via micro-services. The product will be deployed in the cloud or on site depending on the client's needs.

La Banque de France

Paris, France

DATA ENGINEER

March 2018 - September 2018

- Implementation of new Big Data development lines from the Banque de France's application expertise unit for all future projects requiring them. Installation and start-up of an HDP cluster. Then, following various POCs and project audits, a Big Data architecture corresponding to the majority of the projects and its technological ecosystem were set up with internal support from the Banque de France.

KMUTT Research Laboratory

Bangkok, Thailand

SOFTWARE ENGINEER (INTERNSHIP)

March 2017 - September 2017

- Development of a petrol delivery application. The objective was to work on the census of the streets of Bangkok, while having an easy to use application. The application allows the connection between a delivery person and a user, all with a real-time geolocation of the delivery.

Education

ESIEA

Paris, France

MASTER DEGREE IN SOFTWARE ENGINEERING

September 2013 - March 2018

- **Software Architecture, Big Data, Financial IT**

Lycée Notre Dame

SCIENTIFIC BACCALAUREATE

- **Physics and chemistry speciality, music option**

Le Mans, France

2012

Projects

KYC (Lemonway)

- Micro-services architecture
 - General design, story development and optimization
 - Project quality : integration tests / unit tests (90% coverage), reviews 2 proofreaders, SonarQube, 0 warnings, 0 messages
 - Collaboration with the PO: collection of needs, writing stories, global documentation under Notion
 - Project management: facilitation of PPP meetings, business workshops, subdivision and project follow-up
 - Realization of corrections, optimizations, evolutions
 - Agile organization: 2-week sprint, Scrum method, ceremonies, JIRA
 - Writing of documentation (technical, api, release automation, etc.)
 - Functional / technical presentations during company reviews or to customers
 - Realization of POCs
- Technical environment: **NodeJS, NestJS, VueJS, Saas, Typescript, Mongoose, Jest, MongoDB, Mongo Atlas Search Index, RabbitMQ, Docker, SonarQube, AWS, Jira, GitLab, Notion, Visual Studio Code**

Ireby suite (Transway)

- Design of the application (architecture document, workshop facilitation with the teams)
 - Front-end development (VueJS, Sass, typescript)
 - Back-end development (NodeJS, NestJS, typescript, pm2, postgresql)
 - TU/TI (cypress on the front, jest for the back, integration with deployment pipelines)
 - Application maintenance (fix, hotfix, alert management)
 - Conception et maintenance du CI/CD (pipelines, cloud)
 - Server management
 - Documentation redaction (technical, api, release automation, etc)
 - Pre-sales, technical follow-up with customers
 - Functional / technical presentations at company reviews or to customers
 - Technical supervision of work of students, trainees and juniors
 - POCs
- Technical environment: **NodeJS, Typescript, NestJS, VueJS, Saas, Pm2, Postgresql, Typeorm, Mongoddb, Mongoose, MySQL, Cypress, Jest, Sentry, Docker, Bitbucket-pipeline, Gitlab CI, Linux, OVH, Clevercloud**

Data branch (Transway)

- Reflection on the needs of the company
 - Setting up an ETL (apache nifi)
 - Import and processing via ETL in an S3 datalake (aws) of data from all projects (10 bdds)
 - Development of data models
 - Connecting a data-vizualisation tool to the datalake (Tableau)
 - Creation of real-time updated KPIs
- Technical environment: **Apache Nifi, Amazon S3, Amazon Athena, Tableau**

Massive Intelligence (Airbus)

- Design and development of backend services
 - Job management, Management of processing chains, User management, SSO, REST API services to interface COTS service with UI, Creation of reports YGWYS...
 - Documentation writing: design documents, APIs, requirements, releases notes, licenses, architectural documents
 - Integration of services developed on a development platform, use of Ansible and Terraform scripting to automate deployment, Continuous Delivery with Jenkins based on tests on a platform that is recreated every day
 - Maintenance of the services developed, updating with bug fixing according to the evolution of the need
 - Intégration d'outils propriétaires à la plateforme : Nifi, Dataiku, MongoDB, Kafka, ELK, Minio S3...
 - Writing TU/TI: Postman test scripts, called during continuous delivery
 - Accompaniment of other teams on Docker, help on some Ansible scripts, on Java
 - POC around a Cassandra cluster (Datastax suite, Cassandra, Spark)
 - Production of videos, slides around the platform, real-time presentations of the platform to sales, marketing and product owner
- Technical environment: **Java, Springboot, micro-service, docker, Nifi, Dataiku, Mongoddb, ELK, Minio S3, Postman TU**

Big Data development lines (Banque de France)

- Configuration and administration of a Hadoop cluster distributed by Hortonworks with 10 nodes (Ambari, version evolution, high availability, addition - decommission and recommission of nodes)
- Hadoop Technology Management: HDFS, Mapreduce, YARN
- Participation in code audits on major Big Data projects
- POCs and standards writing for Sqoop, Hive, Spark, HBase

Technical environment: **Hadoop, HDFS, Mapreduce, Yarn, Sqoop, Hive, Spark, HBase**

Use'Fuel (KMUTT)

- Development management and technological choices relevant to the project
- Design and development on the front-end of the application, development on the back-end of the application
- Delivery of a reliable solution to the laboratory and deployment of the application

Technical environment: **Android Studio, firebase, java**

Hobbies

Music Guitar, Bass Guitar, Drums, MAO

Sport Table tennis, Hiking, Biking

Gaming Versus Fighting, Indie games, Platformers, Chess

Cinephile Science fiction, Fantasy, Drama

Bookworm Science fiction, Comics, Manga