

# Projects

## Maintenance

I perform regular maintenance on most of the applications listed below, especially to keep them up to date on the latest stable version of Ruby on Rails and to add new features to them.

### **SOFIDIAL - Payment backend (2024)**

Creation of a payment backend with Stripe to handle the orders of textile customisation website.

*Tech: Python, Flask, Stripe, Redis*

### **Brest'aim - Zoho Migration (2024)**

Development of migration tool to transform data from their old CRM (in CSV format) to the format accepted by Zoho.

*Tech: Python, SQLite*

### **Quiet-Oceans - NSI (2024)**

Development of a new tailored application with Django to gather answers to questionnaires and documents related to the Noise Ship Index project.

*Tech: Python, Django, PostgreSQL, RabbitMQ*

### **SOS Médecins - INSi (2024)**

Integration of the INSi API from the French Government Healthcare system to verify and gather patient data for the ORIGAMI system.

*Tech: Ruby, Ruby on Rails*

### **Lynceus Partners (2023)**

Maintenance of the existing V2 Ruby on Rails API and React frontend while developing the V3 API and React Frontend in parallel.

*Tech: Ruby, Rails, CircleCI, React*

### **Javelo (2022 - 2023)**

Application upgrade to Ruby 3. Parallelisation of the test suite on CircleCI (running time decreased from 45min to 7min). Development of a new API.

*Tech: Ruby, Rails, Rspec, CircleCI, Grape*

## **Teeprak (2022)**

Continuous improvement of their Ruby on Rails monolith and API and performance optimisations for the API.

Implementation of new features in the React frontend.

API Performance optimisations.

*Tech: Ruby, Rails, Redis, React, PostgreSQL, Kubernetes*

## **LiveMentor (2021 - 2022)**

Continuous improvement of their Ruby on Rails monolith and API.

Migration of the applications to Ruby 3 and Rails 6.

Development of a custom tool to automatically provision and manage QA environments on Heroku.

*Tech: Ruby, Rails, Redis, PostgreSQL, Heroku, CI/CD*

## **SOS Médecins (2021)**

Migration of their infrastructure from a French PaaS to AWS using Terraform, Packer and Ansible.

*Tech: AWS VPC, ALB, EC2, RDS (Aurora), ElastiCache, CodeDeploy, CodePipeline, WAF, S3, CloudFront, ASG, OpenSearch, Ansible, Terraform, Packer.*

## **Syadem - MesVaccins.net (2021)**

Development of a vaccination and health record system in collaboration with the internal team of the company. Fusion of 3 administration systems into one. Data migration for the administration system.

*Tech: Ruby, Ruby on Rails, PostgreSQL, Redis, Docker, Stimulus, TailwindCSS.*

## **Cultur'In The City V2 (2021)**

Full rewrite of the frontend from React to Ruby on Rails to improve the performances, development speed and thus allow the company to have only one full stack engineer instead of one frontend and one backend engineers.

Use of the latest Ruby on Rails 6.1 features with Webpack, Tailwind, Stimulus, Hotwire.

Application migration to AWS.

*Tech: Ruby, Ruby on Rails, PostgreSQL, Redis, AWS S3/CloudFront/EC2/RDS/VPC, Stripe, EmberJS*

## **LibEduc (2020)**

Tailored development of a management and contact linking application for specialized educators and families with autistic children.

Subscriptions, courses, objects rental.

*Tech : Ruby, Ruby on Rails, PostgreSQL, AWS S3, Stripe*

## **Bozec Animation (2020)**

Tailored development of an employees and planning management for in store animators. Billing and statistics.

*Tech: Ruby, Ruby on Rails, PostgreSQL, AWS S3*

## **SOS Médecins V2 (2019)**

Full rewrite of the V1 with realtime geolocation of the doctors, data exchange with analysis laboratories to get patient results.

Export and transformation of the previous software database.

*Tech: Ruby, Ruby on Rails, PostgreSQL, Redis, AWS S3*

## **PapaGère (2017 - 2018)**

Development of an API to compute wage slips and taxes for maternal assistants. Automatic filling to government.

*Tech: Ruby, Ruby on Rails, PostgreSQL, Redis, AWS S3/CloudFront, Stripe*

## **Cultur'In The City (2018 - 2020)**

Full rewrite of the e-commerce (gift boxes, theaters / spectacles / concerts bookings) and the back office allowing the management of the customers, products, partners and the programming of the different events.

Supervision of the development of the React frontend by another developer to integrate with the back office REST API.

*Tech: Ruby, Ruby on Rails, PostgreSQL, Redis, AWS S3/CloudFront, Stripe, React*

## **Deliver.ee (2016-2018)**

Maintenance and enhancement of the logistics software allowing for same day delivery requests and their dispatching to different carriers.

Tailored development of a WMS.

*Tech: Ruby, Ruby on Rails, PostgreSQL, Redis, AWS S3/CloudFront/EC2/RDS, Stripe, EmberJS*

## **SOS Médecins V1 (2014)**

Tailored development of a calls and interventions management software for SOS Médecins Brest. Management of the call sheets, appointments, medical records, geolocation of the interventions in realtime, dispatching, statistics, accounting, anonymized data transmission to a government medical agency for analysis.

Export and transformation of the old software database to integrate it in the new one.

Installation and setup of the local network and the dedicated server in their office to host the application.

*Tech: Ruby, Ruby on Rails, PostgreSQL, Redis*

## **Previously**

I worked on numerous projects since 2007, for which I don't remember all of the details. Among them were multiple project management softwares and one inventory and stock management software.