

Quentin FORAND

Full stack developer

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Skills

Web	<u>Backend</u> : NodeJS (incl. express, koa, qpi), MongoDB, MySQL, PostgreSQL, Redis, RabbitMQ, Python <u>Frontend</u> : Vue.js, React, Html, Css, Material-design <u>Tools</u> : Docker, CI/CD (circle, gitlab), Jest, Mocha/chai/nyc, git
Software	C#.net/WPF, C++, C
Design	Swagger, Blueprint, Figma, Markdown + Mermaid, UML (mostly use-case, sequence), MicroService
Methodology	Agile (scrum / kanban), OKR (Objectives / Key Results), TDD (Test Driven Development)
Languages	French (Native), English (Fluent), Swedish (A2 CEFR)

Experiences

Trusk Logistics / Deliveries - Tech Lead Backend	September 2019
<ul style="list-style-type: none">- Managing a team of 5 people (me excluded)...- ...In an environment of 50+ microservices, each docker-ized	
Timendo (SoLocal) Appointment booking - Backend Engineer	September 2018 - August 2019 (1 y)
<ul style="list-style-type: none">- Synchronizing Timendo with Reserve (in partnership with Google)- Synchronizing Timendo agenda's with Google Agenda	
IER Electromobility - Software engineer	June 2017 - August 2018 (1 y)
<ul style="list-style-type: none">- Managing the embedded computer of an electric car sharing service	
EuropAssistance Assistance - Software Analyst / Architect	November 2014 - May 2017 (3 y)
<ul style="list-style-type: none">- Conceiving the new generation of the assistance software	
Ti)(iD Web agency - Co Founder	2011 - 2015

Education

Epitech Lyon/Paris (France) - Master Degree in innovation technology	2014
Stockholm University Sweden - Exchange Year	2013
Lycée E.Branly Lyon (France) - High School degree (Baccalauréat S SI)	2009

Experiences

Trusk - Tech Lead Backend

September 2019

Trusk is the leader of "last mile" delivery, specialized in large parcels, with a 0 day delivery in two hours. Trusk also integrates its system with merchants such as IKEA to provide delivery for its customers (B2B2C) and manage warehouses (buffering orders, returning deliveries etc...).

Role as a Tech Lead:

- Manage a team of five backend developers via an Agile (Kanban / OKR) methodology
- Organize sprint and assign tasks with the help of the PO, and track the velocity
- Coach developers and help them achieve their objectives.
- Ensure code quality (PR reviews)
- Write technical specifications

Environment

Linux (Ubuntu). NodeJS (koa). Microservices (docker / docker-compose). MongoDB (mongoose) & Postgres (knex orm). Redis, RabbitMQ. Jest. eslint. Prettier

Timendo - Backend Engineer

*1 year
September 2018 - August 2019*

Timendo (or ClicRDV in French) is the European leader of white-marked appointment booking and scheduling. It is part of the SoLocal group, amid Mappy, Effilab and Pages Jaunes, which provides professionals with a digital presence suite.

Project Reserve With Google (6mo) : Lead

- Weekly sync-up with Google
- Export timendo eligible merchants, services and availability to google (daily export of 1M+ entries)
- Receive booking orders from google
- Real Time Update from timendo to google

Environment

Linux (Ubuntu). NodeJS (express) + Ruby (on rails). Postgres (sequelize). Redis. Docker/docker-compose. Jest. eslint. prettier

Project Google Calendar (6mo): Developer

- Functional and technical specifications
- Synchronize the merchant google agenda with timendo's, including resources, shared calendars, g+suite calendar.
- Update the product to configure the synchronization

Environment

Linux (Ubuntu). NodeJS (express). Postgres (sequelize). Redis. Ruby on Rails. YUI. Docker/docker-compose. Jest. eslint. prettier

IER - Software Analyst

1 year
June 2017 - August 2018

The Business Unit I am involved in mostly concerns Electro-Mobility and my main concerns is the embedded computer located on the Autolib electric-car sharing solution (BlueCity in London, BlueLA in Los Angeles).

Project: BlueGPS (embed computer):

- Update the navigation framework (GPS) to handle traffic and alternative routings
- Rearchitecture the software stack
- Provide non-production tools (e.g. reverse engineering 3rd party web service for internal testing)

Environment

Windows, C++, C#, Wpf, MediaContact, NodeJS, restify

Project: 980

- Provide an interface for testing the hardware of a charging station
- Design

Environment

Windows, Pug, JS, Sass, Gulp

EuropAssistance as the first company to provide medical coverage for people traveling overseas. Today the company offers a wide range of assistance services in the following fields: roadside assistance, travel insurance, travel assistance, health, identity protection, senior care and conciergerie services.

In time of trouble, you just have to call them and arrive at a call center when our applications (mainly Sax) runs.

[Project: Sax team - Software Analyst:](#)

Sax is the core application of EuropAssistance group and runs in about 13 countries. Some smaller affiliates have another application (which is an old fork of Sax updated to work as a web solution). Sax is an old application written 20 years ago in C++ with an attempt of modernization in C# ended halfway, leaving a hybrid made in both C++ and C#.

Now Sax is mostly here for agents who answer the phone and their supervisors, as well as affiliates accountants who must manually export financial data to the Holding. There is another application, eGSD, which is to be considered as a store for service providers which agents will contact (e.g. Towing trucks, Ambulances etc...). eGSD and Sax work together, though Sax can only read from eGSD.

The last major piece of the EcoSystem is Plug & Report (though it came later). This service is here to transfer claims to partners who offer their own services (e.g. the FCA group offers their own services and EA just handle their customers' claims).

Environment

C#.net, WPF, C++/Cli, MFC, Oracle/Entity, Linq, MEF, WCF, ASP, jquery, Oracle, WCF

[Project: EA Designer - Architect:](#)

SAX is deployed in many countries which each have their own specific constraints (e.g. you don't tow a car on France's speedway as you would do on normal roads, unlike in other countries). These specific needs has led each EA affiliates to develop their own plugins (in C++) which requires a budget they do not always had. EA Switzerland made an attempt to simplify the plugin process, but it was disregarded as it was not a Group project.

This is how EA Designer came to life. The idea was simple: Split sax as a global web-service (accessible to all affiliate) with a direct link to eGSD and other Group tools, as well as an open-sourced front-end software, coupled with a customization tool (forked from the Swiss project). This way Affiliates were free to make fundamental change in their own process (either by diving in the code or drag-and-dropping things around).

However after about two months to lay the architecture and build a proof-of-concept, an internal restructuring shut down the project.

Environment

C#.net, WCF, NodeJS, React, MongoDB, Oracle

[Project: Database Anonymization – Lead](#)

The name is self-explanatory. EuropAssistance wanted a tool to use anonymized production data for marketing presentation.

The main challenge here was the duplicated and transformed entries (e.g. "Name", "Full Name" and "Searchable Name") as well as the millions of rows to process, without losing what linked them together.

Environment

C#.net, Oracle

[Project: CMI – Lead](#)

Computer **M**ultimodal **I**nteraction is a standard library to handle Computer/Telephony Interactions that was supposed to be shared among all EA Affiliates.

Environment

C#.net, InIn, WPF, C++/MFC/CLI, PowerBuilder

In 2011, 5 friends and I decided to create a web-agency. We were just students, thriving for adventure and knowledge with nothing to lose. We had our fair share of projects, but decided to part our own way, since we were only technical profiles it was not easy reaching out to potential clients.

Environment

Php, symfony, MySQL, Fedora, Ubuntu, CSS, Html, Wordpress

Epitech - Academic Engineer

1 year
September 2013 - August 2014

Epitech is a school where students learn by doing (though they may attend lectures if need be). Thus Epitech has computer room where students can work on their project, and the primary goal of a teacher is to pass some time in said rooms in order to identify and help those in need. Lectures and grading is secondary (though still mandatory).

Main teacher:

- 1st year: SQL 101
- 2nd year: Rewrite the C standard library using NASM
- 3rd year: Make an pre-compiler for a Kind Of Objective C programming language

Assistant (mainly the same, without the grading and lectures):

- 1st/2nd years: Help on C, the main language student must learn
- 2nd/3rd years: Help on C++
- W@C: Epitech partnered with some regions of France to provide Web lessons for those who dropped out of school.

GlobeVIP - Software Mc Gyver

6 months
March 2012 -September 2012

GlobeVIP made an image recognition software and made white marked app for movie theaters (where you could snap a poster to book a film) or museum (to get more information about the painting you were seeing).

Environment

C / Cgi, Objective C, php, html, vanilla js

Education

Epitech - Master degree

2014

Epitech is a DIY school where the 200+ projects you have to do throughout the years matter more than lectures (which occurs after the project has been announced giving you time to think for yourself for a while).

The projects I found the most interesting were:

- **Eternity II:** Where the goal was to try to solve the Eternity II puzzle (10661 possibilities + 2 million cash prize). Still unresolved, the closest solution found was 467 matching tiles over 480, in 2008. We used VNS in our approach. This is a project I'm likely to try again.
- **Clustering:** This project's goal was to extract layers from an image using clustering's techniques. We tried an original approach (i.e. not k-means) by using the mean-shift algorithm.
- **Bistromathique:** (out of nostalgia) which was the first project we had on the 4th week of school, after learning C. The point was to make a calculator to handle very large number, store in strings

Stockholm University - Exchange Year

2013

The exchange year at Stockholm's University was a truly amazing experience, allowing me to meet people from around Europe and the world. Never a year has been so diverse in topics to learn, both cultural and technical. This helped make me realize there were much more out there and triggered the urge to always push the boundaries of my knowledge and to always want learning more.

Courses:

- Programming paradigms
- Multimodal interactions
- Security and Forensics
- Cognitive Psychology

Lycée E. Branly - Baccalauréate S-SI

2009

If you read until here, I genuinely want to know ;)

