

# Romain Giovanetti

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## Profile

I am a full-stack designer with nine years of international experience in app design, development, and maintenance.

**Creative and curious**, I value **quality** no matter what I am **making**.

I like in particular 🌐 **web technologies**, and I'm focused on continually improving the 👤 **user experience**.

## Main Skills

### Fields

Critical thinking, User Experience, Software Architecture, Design, Web Services, Data Mining, and Problem Solving.

### Technologies

Symfony, React, Java EE, Node.js, RESTFul APIs, Elasticsearch, Python, MySQL, Redux, SASS, Oracle, SOAP, and Express.

### Languages

French ●●●●● English ●●●●○ German ●●○○○

## Experience

Since May 2023

### Software Engineer (Frontend)

Canva, Melbourne, Victoria, Australia

December 2019  
April 2023

### Full-Stack Designer

Freelance, Saint Memmie, France

- ✓ Designed and implemented a custom made system to automatically generate and send quotes (PDF files) to La Maison De L'Eleveur's customers;
- ✓ Designed and built several custom product assistants for the website of La Maison De L'Eleveur, to ease the purchase of configurable products;
- ✓ Designed and implemented custom product pricing modules for the website of La Maison De L'Eleveur, to compute dynamic prices based on several factors (product's custom specifications and quantity/length);
- ✓ Added several tests classes to the website of La Maison De L'Eleveur, to avoid regressions;
- ✓ Refactored and upgraded, from Symfony 3 to Symfony 4, the website of La Maison De L'Eleveur;
- ✓ Designed and implemented a custom order system for the website of La Maison De L'Eleveur;
- ✓ Designed and built the website of Champagne Carole Haudot. This website features a simple online shop, using React and React Redux.

May 2018  
November 2019

## Software Developer

Coface North America, Princeton, NJ, United States of America

### ★ V.I.E. (International Volunteer in Business) in the USA (New York)

- ✓ Maintained policy management applications and collection back office support applications (back-end and front-end);
- ✓ Participated in solution architecture and design;
- ✓ Designed and developed interfaces to facilitate communication between different software applications;
- ✓ Created debug tools related to PDF generation;
- ✓ Maintained the DEV team wiki;
- ✓ Maintained legacy code and refactored it when it was possible;
- ✓ Following a penetration test, reinforced the security of the main application and its side apps, including a password encryption upgrade, and a complete rework of the “I forgot my password” process.

📖 Blog about this amazing part of my life: [vie-usa.giovanetti.fr](http://vie-usa.giovanetti.fr)

September 2017  
April 2018

## Full-Stack Designer

Freelance, Saint Memmie, France

- ✓ Started my own business in France as sole trader;
- ✓ Migrated the website of La Maison De L'Eleveur from Symfony 2 to Symfony 3;
- ✓ Introduced new features to the website of La Maison De L'Eleveur, using various web technologies (Symfony 2/3, MySQL, Bootstrap, and jQuery).

October 2014  
August 2017

## Research Engineer

CNRS / Université de Lille / CRISTAL Lab. / NOCE Team, Lille, France

- ✓ Published two publications in the IEEE international conference on Advances in Social Network Analysis and Mining 2016 (ASONAM);
- ✓ Listed and evaluated the existing ways to collect and process tweets for social network analysis;
- ✓ Built and maintained a distributed platform for collecting and processing up to two millions tweets per day, with a complete data retention period of 2 years, powered by Elasticsearch and TensorFlow;
- ✓ Designed and built an internal API to control this distributed platform remotely, and offer secured ways to retrieve the processed data;
- ✓ Designed and built a powerful and easy to use dashboard, to present safely the processed data in a meaningful way to third party users, made possible by a complete asynchronous stack approach, featuring AngularJS and Node.js;
- ✓ Studied methods and developed software prototypes to extract sentiments, gender and geolocation from tweets, using simple algorithms and recursive neural networks.

June 2014  
September 2014

## Full-Stack Designer

La Maison De L'Eleveur, Vouziers, France

- ✓ Revamped La Maison De L'Eleveur's online product catalogue (more than 1500 references);
- ✓ Rebuilt from scratch La Maison De L'Eleveur's e-commerce website, within 3 months, using Symfony 2, Bootstrap and jQuery;
- ✓ Prototyped and implemented an intuitive user interface to help customers configure and purchase custom tailored steel sheets;
- ✓ Deployed the new website, maintained it, and improved it according to customer feedback;

March 2013  
February 2014

## Research Engineer

CNRS / Université de Lille / CRISTAL Lab. / NOCE Team, Lille, France

- ✓ Designed and built custom made bracelets that communicated with each other, using Arduino nano, Xbee modules, batteries, handmade housings, vibrators, RFID chips, and other small components;
- ✓ Designed and built custom made contactless quiz terminals, using Arduino mega, ethernet shields, RFID shields, and other small components;
- ✓ Created a main control system (Java + MongoDB) to remotely manage and configure the custom made devices, and log their usages;
- ✓ Built a dashboard (Node.js + Express + MongoDB) to filter the collected usages data and present them in a meaningful way;
- ✓ Deployed the custom made devices and the main control system in the Museum of Fine Arts of Tourcoing, France, and conducted user experience evaluations.



Discover more experiences and side projects on  
[giovanetti.fr/resume](https://giovanetti.fr/resume)

## Education

### Master's Degree in Computer Science

Université de Lille 1 - Sciences et technologies, France - Graduated 2013

- ★ Exchange program (Erasmus), at TU Graz, Austria, in 2022.

### Bachelor's Degree in Computer Science

Université de Lille 1 - Sciences et technologies, France - Graduated 2011






### University Technology Diploma in Computer Science

Université de Reims Champagne-Ardenne, France - Graduated 2010

## References

Available upon request.

## Links

-  [gianetti.fr](https://gianetti.fr)
-  [github.com/ganoninc](https://github.com/ganoninc)
-  [linkedin.com/in/romainjg](https://linkedin.com/in/romainjg)
-  [stackoverflow.com/users/2815175/r-gianetti](https://stackoverflow.com/users/2815175/r-gianetti)
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