

# Romain J. Giovanetti

Full-Stack  
Software Engineer  
romain@giovanetti.fr

## Profile

**Full-Stack Engineer** with **11 years of international experience** in designing, developing, and maintaining scalable web applications.

Passionate about **high-quality code, user-centric design, and performance optimization**.

Specializing in **modern web technologies**, including React.js, Node.js, Java EE, Symfony, and microservices architecture.

Strong **problem solver** with a focus on **system design, scalability**, and cloud deployments (AWS, Docker).

## Main Skills

### Fields

- **Critical Thinking & Problem Solving**
- **Usability & Performance Optimization**
- **Software Architecture & System Design**
- Software Development Life Cycle
- Code Quality & Testing
- Cloud Architecture & Scalability
- Security & Authentication

### Technologies

- **Front-End:** React.js, Redux, TypeScript, Storybook, SASS, MobX
- **Back-End:** Node.js, Express, Java EE/ Spring Boot, Symfony, RESTful APIs, Microservices
- **Databases:** MySQL, MongoDB, Oracle PL/SQL, Elasticsearch
- **DevOps & Cloud:** Docker, Git, AWS
- **Testing & Tooling:** Jest, PHPUnit

**Languages** French (Native), English (Fluent, PTE Academic 84/90, CEFR C1)

## Experience

Nov. 2023 - Today

*Saint-Memmie  
France*

### Full-Stack Engineer (Freelance)

#### La Maison De L'Eleveur

- Enhanced front-end performance and user experience, boosting engagement and navigation, increasing conversion rates, and raising the **Google Lighthouse score from 83 to 94**.
- Upgraded back-end from **Symfony 4 to Symfony 5**, with extensive **code refactoring**, improving scalability, maintainability, and performance—reducing page load time by **up to 75% (from 1200ms to 300ms)**.
- Overhauled email management system with **enhanced security protocols and email signing**, reducing email rejection rates by **80%** and improving deliverability.

#### Champagne Carole Haudot

- Developed a **custom configuration interface**, transforming a previously static website into a more dynamic and manageable platform.

#### Saint Joseph College of Maasin, Leyte, Philippines

- Took over and **revamped an unfinished grading application**, originally developed by a student, addressing **critical security flaws, extensive bugs, and unstable code**. Refactored key components, implemented new features, and continue to enhance its functionality and security.

May 2023 - Oct. 2023

*Melbourne, Victoria  
Australia*

### Software Engineer (Frontend) – Specialist Experience Team

#### Canva

- **Implemented infinite scroll on the user activity log page**, enabling specialists to access unlimited historical data for troubleshooting. Optimized data fetching by handling microservices with and without pagination support, using **React**, and **MobX**.

- **Designed and developed a dynamic theme module** to enable seamless integration of seasonal and event-based decorations (e.g., April Fool's, Christmas) into the web application.
- **Refactored the codebase**, replacing deprecated components and services, and migrating internal API calls and components to their latest versions, resulting in improved **stability, maintainability, and performance**.
- **Increased test coverage** by implementing **comprehensive unit tests** for previously untested component presenters.
- **Contributed to shaping an 18-month strategy** to mitigate **linear cost escalation** due to user growth by leveraging **machine learning, OpenAI language models, and usability enhancements** for specialist tools.

Dec. 2019 - Apr. 2023

Saint Memmie  
France

## Full-Stack Engineer (Freelance)

### La Maison De L'Eleveur

- **Developed an automated quote generation system** handling 39 different templates using **Dompdf**, enabling seamless creation and delivery of PDF quotes to customers. This **freed up the workload of 2.5 team members**, allowing them to focus on higher-value tasks.
- Initially **built 8 custom product assistants using vanilla JS**, allowing customers to easily order products like **custom-cut metal sheets, pre-assembled kit doors for agricultural buildings**, and **gutters** on the website. Later, **rewrote one assistant using React and TypeScript** for improved performance and scalability.
- **Designed and implemented dynamic pricing modules**, calculating product prices based on multiple factors, including **custom specifications and quantity/length**.
- **Refactored and upgraded the website** from **Symfony 3 to Symfony 4**, improving **performance, security, and maintainability**.
- **Developed a custom order management system**, allowing **quotes to be converted into orders** using a **temporary token**.
- **Developed a tracking module that monitors unfinished orders** at each step. If a customer abandons an order, a commercial representative is alerted to follow up via call or email.

## Previous Experience

### Software Developer (VIE Program) | Coface North America

May 2018 - Nov. 2019 | Princeton, New Jersey, United States of America

### Full-Stack Engineer (Freelance) | La Maison De L'Eleveur / Champagne C. H.

Sep. 2017 - Apr. 2018 | Saint Memmie, France

### R&D Engineer | CNRS / Université de Lille / CRISTAL Lab. / NOCE Team

Oct. 2014 - Aug. 2017 | Lille, France

### Full-Stack Engineer | La Maison De L'Eleveur

Jun. 2014 - Sep. 2014 | Vouziers, France



Explore more of my work and side projects at  
[giovanetti.fr/resume](https://giovanetti.fr/resume)

## Education

### Master's Degree in Computer Science, Université de Lille, France (2013)

- Exchange program at TU Graz, Austria (2012)

## Links

- 🏠 [giovanetti.fr](https://giovanetti.fr)
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