

# Marc Hertzog *Web Developer*

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<https://marcarea.com>

<https://github.com/kemar>

[marc@marcarea.com](mailto:marc@marcarea.com)

## Technical Skills

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Python, Django, JavaScript, HTML, CSS, DOM, PostgreSQL

## Experience

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**2019 - 2021, 2 years and 6 months** *Freelance*

### **Plateforme de l'Inclusion - CTO** *Direction interministérielle du numérique (DINUM)*

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Startup of the French Government that provides employment-oriented online services for work integration social enterprises. In France, the term used is "organizations for integration through economic activity" (structures d'insertion par l'activité économique, or SIAE). The purpose of integration through economic activity is to enable unemployed people who are experiencing particular social and professional difficulties to benefit from work contracts in order to facilitate their professional integration.

**Tech: Django, PostgreSQL, PostGIS, Redis, Docker, PaaS (Clever Cloud), Metabase**

- Designed, implemented and deployed a 2-year+ social job marketplace and functionality scaling plan
- Reached 200K+ hirings in social enterprises in 2-year+
- Kept abreast with industry best practices to release quickly, robustly and compliantly
- Made the project permanent by proving its value and taking it out of the incubation stage
- Hired and managed a top-notch tech team of 10 members
- Helped grow of the team to over 30+ people by coordinating the adoption of lean philosophy and practices across all departments

**2019** *Freelance*

### **Code du Travail Numérique** *Fabrique numérique des ministères sociaux*

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Startup of the incubator of the French Ministry of Labour that provides an educational Internet tool to help the French understand the Labour Code and make it easy for them to find their way around.

**Tech: Python, Elasticsearch, Node.js, React, Docker**

- Indexed documents: performed extraction, enrichment, analysis, and indexing
- Improved relevance with synonyms, analyzers, filters etc.
- Developed REST APIs with Koa and a public search website using Next.js

**2018** *Freelance*

### **Work in France** *Fabrique numérique des ministères sociaux*

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Startup of the incubator of the French Ministry of Labour for requesting approved temporary work permits for foreign students.

**Tech: Node.js, Vue.js, Docker**

- Developed a webapp to dematerialize and simplify the administrative procedure
- Performed usability testing
- Developed REST APIs with Koa
- Developed UIs for validity verification and statistic reports

**2017** *Freelance*

### **La Bonne Boîte** Pôle emploi

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Startup of Pole Emploi (a French governmental agency) that offers a new way for unemployed people to look for a job by searching for companies that have a high "hiring potential".

**Tech:** Python, Flask, MariaDB, Elasticsearch, HTML, CSS

- Incorporated the authentication mechanism with 3rd party OAuth 2.0/OpenID Connect providers
- Migrated MariaDB from utf8 to utf8mb4
- Implemented SQLAlchemy to handle DB migrations
- Improved security (migrated to HTTPS, upgraded dependencies, added CSRF protection, etc.)
- Refactored the frontend CSS code and developed a style guide

**2016** *Freelance*

### **Accélérateur L'Atelier BNP Paribas** BNP Paribas

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Startups incubator of BNP Paribas, a French international banking group.

**Tech:** Django, MySQL, Redis, jQuery

- Fully automated the onboarding process of startups to speed up their selection
- Used Redis to implement a queue to send emails asynchronously in the background with workers

**2016** *Freelance*

### **Chauffeur Privé** Transcovo

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French ride-hailing app (biggest French Uber rival).

**Tech:** Node.js, MongoDB, Heroku

- Developed the loyalty program for 190K customers
- Exposed the loyalty program for mobile apps as REST API endpoints with Node.js
- Fully automated the onboarding process of drivers

**2015** *Freelance*

### **Oscaro.com** Oscaro

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French e-commerce company, leader in the sale of automotive parts.

**Tech:** Django, PostgreSQL, AngularJS

- Created the checkout UI using AngularJS, from mockups to code
- Developed a reusable autocomplete component to search for products

**2014** *Freelance*

### **Ailium** Diptyque

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SaaS solution that automates the entire flight scheduling process and is compliant with EU-OPS.

**Tech:** Django, PostgreSQL, AWS, jQuery, Bootstrap

- Conceptualized and coded the webapp and its database structure
- Integrated various 3rd party APIs (SparkPost, Open Exchange Rates, Ask Geo, Sentry)
- Developed advanced HTML/CSS UIs to display crew calendars and timelines of flights
- Implemented timezone management throughout the webapp
- Provided assistance in the recruitment of a Django developer

**2013** *Freelance*

### **Club SeLogger Neuf** *Revolunet*

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A prototype for a French leading real estate online portal, whose purpose was to sell new housing.

**Tech:** Django, MySQL

- Developed an e-commerce prototype within 20 days using Django
- Integrated Ogone for payment and implemented the checkout process

**2012** *Freelance*

### **Autolib'** *Polyconseil*

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Electric car sharing service in Paris.

**Tech:** Django, PostgreSQL, Vue.js

- Developed an internal SPA with Vue.js for incident management, from mockups to code
- Integrated with 3rd party APIs such as the Google Maps API
- Developed a vue-gettext plugin to translate Vue.js apps with gettext

**2011** *Freelance*

### **BforBank** *Crédit Agricole*

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French online bank, subsidiary of the Crédit Agricole group.

**Tech:** HTML, CSS

- Designed and developed reusable HTML/CSS components a mobile website

**2010** *Freelance*

### **Taxeo** *Agence Fantom*

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A solution to get your company's foreign VAT back.

**Tech:** Django, MySQL

- Developed a website on top of an SAP Enterprise Resource Planning
- Developed an HTML/CSS style guide
- Gathered and led a team of 3 to execute and achieved delivery in an effective manner

**Since 2009** *Freelance*

### **Some Freelance Clients** *At various times*

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Golf-minute (co-founder), Immomig, L33 Networks, Learngest, Netmeno, Orfeo, Pilot, PopCorn Pages (co-founder), SameStory

**2006 - 2008, 2 years** *Employee*

### **Gandi** *Web Developer*

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French company providing domain name registration, web hosting, and related services.

**Tech:** Perl, MySQL, JavaScript

- Developed web UIs to manage domains and hosting using Perl with Catalyst for the backend
- Integrated a new design using XHTML, CSS and JavaScript

**2005 - 2006, 1 year 5 months** Employee

**Business Lab** Web Developer

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French web agency working with key accounts like Peugeot, Coca-Cola, Air France, Le Monde, Renault, RATP.

Tech: XHTML, CSS, JavaScript, Flash

- Developed websites using (X)HTML/CSS, JavaScript and Actionsript
- Integrated 3rd party Web Analytics APIs (Webtrends, HBX-WebSideStory, Wsistat)
- Trained a team of outsourced developers to HTML and CSS best practices

**2004, 5 months** Internship

**Kanyoo** Web Developer

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French web agency. Internship during my software design and programming training.

Tech: XHTML, CSS, JavaScript, Flash, PHP, MySQL

**1999 - 2004, 5 years and 5 months** Co-Founder

**Trotti'Net** Web Developer

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French web agency.

Tech: XHTML, CSS, JavaScript, Flash

- Designed and developed websites and logos using Photoshop and Illustrator, HTML and CSS
- Made commercial prospection and acquired clients
- Liaised with customers to understand their specific needs

## Education

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**2005**

**AccessiWeb - Paris, France - *Web accessibility expert training***

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AccessiWeb provides a methodology to verify conformance to Web Content Accessibility Guidelines.

**2004**

**IFIDE/Sup-Formation - Metz, France - *Software design and programming training***

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A private institution that offers career training programs.

**1997 - 1999, 2 years**

**University of Metz - Metz, France - *Diplôme universitaire de technologie (DUT)***

The DUT is a French national diploma earned in 2 years of postsecondary study following receipt of the French Baccalauréat or equivalent secondary-school. Field of study economics and marketing techniques.

## Languages

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- French (*native*)
- English (*proficient*)
- Japanese (*learning*)

## Passionate about

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- Internet
- Technical Books
- Hip-Hop Culture
- Japanese Pop Culture