

vianneycarel

lead developer web / react / typescript / api

contact

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<https://github.com/vcarel>
<https://vianneycarel.me>

languages

English (fluent)
French (native)

technologies

react, typescript
redis, mongodb, sql
nodejs, python
graphql, rest
html, css

Figma

nosql, jamstack

tailwind, highcharts
react-hook-form
react-query, apollo
gherkin, cypress
vitest, jest, mocha, chai
vite, webpack, gulp, grunt

boto, flask, gevent

nginx, docker, ansible
AWS, Heroku, Cloudinary
Algolia, Sentry, Auth0
U2F, Yubikey

agile development
pair-programming
BDD, TDD

significant skills

Web Development (Front-end & Back-end)
Solid understanding of UX and UI challenges
Agile methodologies, coaching junior developers

education

2000–2003 **Engineering degree** ISEP Institut Supérieur d'Électronique de Paris
Computer Science, Telecommunications & Networks, Electronics
Specialization in Real-Time Systems Architecture
1998–2000 **Preparatory classes** Institut Supérieur d'Électronique de Paris

experience

2020–2024 **Quortex**, Lead front-end developer Remote
Created a Web app from scratch for a SaaS launch
Focused on building a simple and fluid app, despite a complex business domain

- Zustand and IndexedDB (Dexie) for local state management
- Client-server synchronization with React-Query
- Form management with React-Hook-Form
- Native drag and drop, pure CSS animations, Highcharts
- Typescript, Tailwind
- UI/UX design of the backoffice (Figma)

2021 **Groupe TF1**, Senior react.js developer Paris
Developed new features for My TF1 Web with React, GraphQL, Typescript, Tailwind

2020 **Gandi**, Senior react.js Developer Paris
Front-end development of admin apps with React.js and Flow

- Simplified codebase for improved maintainability
- Resolved performance issues

2019 **Wynd**, Lead front-end developer Paris
Front-end development with React.js and Typescript

- Coached front-end developers across multiple squads
- Designed and developed a component library

2018–2019 **OnePark**, Senior react.js developer Paris
Migrated a Ruby-on-Rails monolith to React.js

- Simplified existing JS code, decoupled Rails code into independent REST services
- Resolved performance issues (in-browser and back-end): ActiveRecord, caches, page weight, web resource management

2017 **Car&Boat**, Senior react.js developer Paris
Technical overhaul of the listing (ad search) on LaCentrale.fr

- Developed with React.js + SSR (Express.js)
- Optimized Node.js (600 rpm in, > 3000 rpm out)
- Coached and trained developers

<https://www.lacentrale.fr/listing>

A game made during a live-coding React presentation:

<https://vcarel.github.io/retris/>

2016–2017	<p>Weezhome, CTO Paris</p> <p>Platform offering expert services to home sellers/buyers (individuals and professionals)</p> <p>Created the product from scratch!</p> <ul style="list-style-type: none"> ● Organized UX/UI workshops ● Recruited and coached developers ● Designed the solution: architecture, technology choices ● Front-end development: React.js + SSR ● Back-end development: Node.js, GraphQL Apollo, MongoDB ● Integrated with SaaS services: Auth0, Algolia, Cloudinary, Sentry, Papertrail, Intercom ● Deployed on Heroku/Heroku CI + AWS Cloudfront ● SEO
2014-2016	<p>Pathoquest, Architect / Full-stack developer Paris</p> <p>Designed and built a Web-HTML5 ecosystem for exploiting genetic analyses applied to the research of human pathogens.</p> <p>Applications :</p> <ul style="list-style-type: none"> ● SSO (OAuth 2.0; U2F, Yubikey, SMS 2-factor authentication) ● DNA/RNA sequencing monitoring dashboard ● WYSIWYG report editing <p>Architecture and development :</p> <ul style="list-style-type: none"> ● Virtualized server, docker containers ● Nginx + Python/gevent backend ● MongoDB, Amazon S3 backup ● Automated provisioning/updates/installation ● Gherkin acceptance testing <p>Web :</p> <ul style="list-style-type: none"> ● ReactJS front-end, ● Responsive design ● Highcharts graphics <p>Methodologies: Agile, BDD, TDD, paper prototyping, user meetings, strong UX focus</p>
2012-2014	<p>Orange MBS, Agile full-stack developer Paris</p>
2011	<p>Kompass, Senior JEE developer Courbevoie (92)</p>
2003-2011	<p>Capgemini Telecom Media Defense Suresnes (92)</p> <p>Orange, JEE architect Dubai</p> <p>DU (EITC), Enterprise architect Düsseldorf</p> <p>Vodafone, Technical expert La Défense (92)</p> <p>SFR, Developer / integrator</p>
2003-2011	<p>Sopra Group, Apprentice developer Montreuil (92)</p>