

# Romain Pellerin

*Principal Software Engineer at Doctolib GmbH*

Berlin, Germany  
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CV updated on November 16, 2021

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## Experience

Oct 2020 – Present **Principal Software Engineer**, *Doctolib GmbH*, Berlin (Germany).

- Support the feature teams that are working on the website for healthcare professionals: review of technical pre-project documents, pair programming, advise and help regarding technical debt and legacy code, "tech tasks" prioritization and reporting
- Cross-domain work: contribution to large-scale projects, refactoring, mentorship (internal program based on weekly 1-on-1 meetings) and trainings (mostly on front-end topics and Git)
- Risk management: support, mitigation and prevention of organizational threats and down incidents
- Interviewing engineering directors, managers and software engineers

Remarkable achievements:

- 2021: made English the default language of the monolith in place of French, enabling 150 international developers in 3 countries to develop and write tests faster
- 2019-2021: decided the end of the support of Internet Explorer 11 and led a company-wide program to help Doctolib's customers upgrade their outdated browsers, from small practices to large hospitals, allowing 1. the removal of tests on these browsers 2. simplifying our front-end build pipeline 3. decreasing the number of incidents related to old browsers close to zero
- 2018-2021: led a cross-team effort to refactor 600+ files written in RxJS to vanilla JavaScript or React hooks, hence removing the number one pain point that was reported by developers about the front-end stack at that time
- 2020: removed Rails Sprockets in favor of Webpack, simplifying our front-end build pipeline and allowing developers to write modern JavaScript everywhere in the codebase

Stack: Ruby on Rails, PostgreSQL, Resque, Redis, Elasticsearch, React. Our CI executes 30,000+ integration tests (Minitest + Capybara) and a few hundred model and unit tests (JavaScript and Ruby).

Additional relevant keywords: AWS, TeamCity, New Relic, Sentry, Jest, SCSS.

Jan 2020 – Oct 2020 **Software Engineer**, *Doctolib GmbH*, Berlin (Germany).

- Worked on the website for healthcare professionals as a fullstack developer
- Helped onboard new joiners and train current employees
- Project management in an agile environment (SCRUM-like)
- Interviewed engineering managers and software engineers

Mar 2018 – Dec 2019 **Software Engineer**, *Doctolib*, Paris (France).

Same as in Berlin, different feature team.

Sep 2017 – Feb 2018 **Software Engineer**, *Matters*, Paris (France).

Worked for a client (WISEPOPS.COM) on a web-based popup editor built with React.  
Stack: JavaScript (React, Redux, NodeJS), CSS.

Feb 2017 – Jul 2017 **Software Engineer Intern**, *Matters*, San Francisco (USA).

Bootstrapped Teamstarter.co. Also experimented new technologies: asm.js and WebAssembly.  
Stack: JavaScript (React, Redux, Sequelize), GraphQL, Apollo, PWA (Service Workers).

Sep 2015 – Feb 2016 **Mobile Developer Intern**, *The Smiths*, Amsterdam (The Netherlands).

Mobile and backend development. Also some SQL and Shell-scripting.  
Stack: Titanium/Alloy (JavaScript framework), Backbone.js, Underscore.js, Express.js.

Jun 2013 – Sep 2014 **Android and Web Developer**, *Self-employed and then intern*, Nantes (France).

Developed and maintained the Android application and the website of the startup WHOWANNA.  
Stack: Java, PHP, MySQL, JavaScript, HTML, CSS, Scala.

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## Education

- Sep 2014 – Jul 2017 **Diplôme d'ingénieur en informatique (Software engineering degree)**, *Université de Technologie de Compiègne (UTC)*, Compiègne (France).
- **LO17** Indexing and search engines
  - **L021** Object-oriented programming (C++)
  - **MB11** Revision of mathematics
  - **MI01** Architecture of a CPU
  - **NF11** Programming language theory
  - **NF16** Algorithms and data structures
  - **NF17** Databases design
  - **RO03** Combinatorial optimization
  - **SC12** Technology, cognition, perception
  - **SI28** Interactive writing and multimedia
  - **SR02** Operating systems
  - **SR03** Web application architectures
  - **SR05** Distributed algorithms and systems
  - **SY31** Sensors for smart systems
  - **LA13, LA15, LB14, SI14** English courses
- Sep 2016 – Dec 2016 **Exchange program, KAIST**, Daejeon (South Korea).
- **CS453** Automated Software Testing
  - **CS459** Introduction to Services Computing
  - **CS540** Network Architecture
  - **KSE652** Social Computing Systems Design and Analysis
- Sep 2012 – Jul 2014 **DUT Informatique (Two-year university degree in Computer Science)**, *Institut Universitaire de Technologie de Nantes*, Nantes (France).
- Maths (algebra, set theory, graphs, probability and statistics, automata theory)
  - Systems (Unix, x86 assembly, C, security)
  - Networks (IP/TCP, Wifi and Ethernet, HTTP)
  - Object-oriented programming (Java) and design patterns
  - Web (HTML, CSS, JavaScript, PHP)
  - Databases (Oracle, MySQL)
  - Communication
  - Economy
  - Business management
  - English

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## Volunteer experience

- Mar 2015 – Jun 2015 **President and co-organizer of tech talks**, *HumanTalks*, Compiègne (France).  
10-min talks given once a month about programming languages, tools, software development, etc.  
<https://humantalks.com/cities/compiiegne>
- Sep 2014 – Jun 2015 **Project manager, USEC (student society)**, Compiègne (France).  
Was in charge of software development projects for local businesses.
- Wrote official documents (quotes, specifications, customer agreements)
  - Recruited and mentored students (those who developed our clients' projects)

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## Computer skills

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|-------------------|---|
| Languages         | <b>JavaScript, Ruby, HTML, CSS</b> , Python, PHP, Java, Shell-scripting                     |
| Databases         | <b>PostgreSQL, MySQL</b> , SQLite, UML  |
| Operating systems | <b>GNU/Linux</b> (I am a Xubuntu user – a Debian/Ubuntu-based distro)                       |
| Misc              | <b>React, Ruby on Rails, advanced knowledge of Git, NodeJS, L<sup>A</sup>T<sub>E</sub>X</b> |

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## Languages

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|---------|---|-----------------------------------|
| French  | Native speaker                                    |                                   |
| English | Full professional proficiency – European C2 level | <b>TOEIC 985/990 (March 2016)</b> |
| German  | Beginner – European A2 level                      |                                   |
| Spanish | Beginner – European A1 level                      |                                   |

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## Hobbies

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|----------------------|--|---|
| <b>Raspberry Pi:</b> | Experiments with the camera module, OpenVPN, Nextcloud | <b>Comic books:</b> The Walking Dead, Paper Girls, Saga, Low, and many others |
| <b>Sport:</b>        | Weight lifting and road cycling (4,000 kms in 2020)    | <b>Music:</b> Guitar for fifteen years  |