

# Romain Pellerin

Staff Software Engineer at Doctolib GmbH

Berlin, Germany  
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CV updated on April 20, 2022

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## Experience

Oct 2020 – Present **Staff 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 for engineering director, manager and software engineer roles (on average one interview per week)
- Help onboard new joiners and train current employees through an internal ramp-up program

### 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 more than 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, SASS/SCSS, Docker.  
Our CI executes 40,000+ integration tests (Minitest + Capybara) and a few hundred model and unit tests (JavaScript and Ruby).

Additional relevant keywords: AWS, New Relic, Sentry, SCRUM/agile development.

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

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

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/compiegne>

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

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)
Miscellaneous	<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

French	Native speaker	
English	Proficient – European (CEFR) C2 level	<b>TOEIC 985/990 (March 2016)</b>
German	Intermediate – European (CEFR) B1 level	
Spanish	Beginner – European (CEFR) A1 level (estimated)	

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## Hobbies

<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 (4,700 kms in 2021)	<b>Music:</b> Guitar for fifteen years