

# Romain Pellerin

*Principal Software Engineer at Doctolib GmbH*

*Open to relocation*  
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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 (e.g. how patients are synchronized through ElasticSearch, ending the support of Internet Explorer 11), refactoring (e.g. removing RxJS from 500 files, replacing Rails Sprockets with Webpacker), mentorship (internal program based on weekly 1-on-1 meetings) and trainings (mostly on front-end topics)
  - Risk management: support, mitigation and prevention of organizational threats and down incidents
  - Interviewing engineering directors, managers and software engineers
- 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: Monolith, 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

## 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)

## Computer skills

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

## Languages

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

## Hobbies

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