Romain Pellerin

Principal Software Engineer at Doctolib GmbH

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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" priorization 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 40,000+ integration tests (Minitest + Capybara) and a few hundred model and unit tests (JavaScript and Ruby).

Additional relevant keywords: AWS, 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.

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, LaTeX

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

Sport: Weight lifting and road cycling (4,700 kms in 2021)

Comic books: The Walking Dead, Paper Girls, Saga, Low, and many others

Music: Guitar for fifteen years