

# Thomas Hareau

## Senior software engineer

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### About me

Working as a Senior Fullstack Engineer at Doctolib, I am a new-technology enthusiast and committed to improving privacy.

During my work, studies and personal projects, I like to be involved in both Front-End and Back-End development. I also have a good understanding of computer science security. I like to be involved in dynamic and privacy-focused projects.

### Work experience

#### Senior software engineer at Doctolib

*Paris, France - from June 2020*

Fullstack development on the Doctolib Practice project - business software for the medical industry. Lead of complex projects, in both front-end and back-end side. Main contributor of the library [safe-pg-migrations](#).

#### Software Development Engineer at ProtonMail

*Geneva, Switzerland - from September 2018 to April 2020*

Software architecture and Back-End development on the ProtonCalendar project: cryptographic key management, code quality improvements, ... Refactor and extension of ProtonMail's [Sieve](#) parser (email filtering language).

#### Software Development Engineer at Push Creative Ventures

*Berlin, Germany - from October 2017 to February 2018*

Full-stack development in an early stage start-up. Front-End development of applications (web and mobile) using React and React Native. Back-End Development with NodeJS, Express, and Socket.io.

### Key Skills

Software architecture  
Web development  
Communication

JavaScript  
Ruby  
PHP

### Education

#### INSA Rennes (France)

*Engineering degree*

Software development (OOP, data structure, design pattern, software modeling). Theoretical computer science (graph theory, algorithm), hardware, social sciences.

#### Technical University of Dresden (Germany)

Software technology (software architecture, component-based system engineering, web protocols). Research (shared locked analysis, synchronization of a satellite software within a DTN simulator).