

Thomas Hareau

Software development engineer

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github.com/ThHareau

Personal Profile

Working as a Software Development Engineer at Proton Technologies AG, 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.

Work Experience

Back-End Engineer at Proton Technologies AG

Geneva (Switzerland) - Septembre 2018 - Present

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).

Intern (Master thesis) at Proton Technologies AG

Geneva (Switzerland) - April 2018 - September 2018

Design and implementation of a security protocol: studies of the protocol and the existing implementations, implementation on the Back-End and the Front-End.

Intern at Push! Founders

Berlin (Germany) - October 2017 - February 2018

Full-stack development in a 2 months old startup. 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
PHP
JavaScript

Linux
Communication
Full English proficiency
German proficiency

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).