Robin Moussu

Back-end developer
specialization in optimization

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30 years old

Curious, ready to push changes, autonomous and volunteer, I am someone who love learning and know how to invest myself (especially in mastering my tools). High performance back-ends development, algorithms and optimizations are subjects that I love the most in my work. Since a bit more than three years, I discovered myself a passion for Rust and I had the chance to use it professionally. It's a technology that I'd like to use again in the future.

Competences

Languages	**Rust, C**++, shell, C, *exposure to python, scala, SML, asm*
Utils	**git**, Linux, *exposure to gcc, clang, valgrind, perf, Doxygen*
Metodology	OOP, functional programming
English	Daily usage, C1 level

Bulats: 79 (2014), Toeic: 740 (2013)

Professional experience

2021–present — **Back-end software developer, exploration and UX** — $1\frac{1}{2}$ years
Silvaco (full remote, then partially on site), Grenoble — **C++, html, css, js**
Prototyping of a query language specialized in data extraction from netlists.
Improvements in the visualization of analysis.
I helped my team migrate to git (formation and individual training).

2019–2020 — **Back-end software developer, specialized in optimizations** — 1 year
Astek (for the client Naver, on-site, then full remote), Grenoble — **Rust, python**
Optimizations and improvements of the generation of tours intended to be run.
Successful rewrite of the project in Rust

2016–2019 — **Back-end software developer** — 3 years
Astek (for the client Amadeus, on-site), Nice — **C++, scala, shell**
Participation in various projects of PIO (Pricing Integration and Orchestration).
Set-up and animation of weekly sessions of knowledge sharing.

2016 — **End of study internship** — 6 months
MathWorks (on Polyspace software), Grenoble — **C++, SML**
Alias analysis and context splitting: amelioration of the static analysis speed and precision of C codebase using function pointers.

Formation

2013–2016 — **Grenoble INP**, *Grenoble*, Phelma then Ensimag — BAC +5
Specialization in system and embedded software

2011–2013 — **DUT GEII**, *Grenoble*, IUT 1 — BAC +2
Electronic engineering and industrial data processing

2010 — **Baccalauréat S**, *Gap*, Lycée Dominique Villars (with honors)