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## Skills

Language	TS, JS, Rust, OCaml, Python, C/C++
Framework	React, Next.js, Vue, Svelte, Angular
Database	MongoDb, PostgreSQL
Tool	Git, Docker
DevOps	GCP, AWS, Vercel, Deno Deploy, Ansible
Soft Skill	Management, Mentoring, Autonomy, Initiative, Communication

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## Professional experiences

- 10/2023 – Present **Senior Software Engineer (C#, TS, Angular, SQL, Git)**, *Lucca*, Paris
- Transfer of Compwise features inside Lucca's products
- 10/2022 – 10/2023 **Co-founder & CTO (TS, NodeJs, GCP run, MongoDB, React, Git, Docker, Entrepreneurship, User interview, UX research)**, *Compwise (bought by Lucca)*, Paris
- Compwise is a platform for managing compensation policy.
- Fast execution, ideation to MVP: 1 month.
  - 100+ user interviews done with HRs, CFOs, and CEOs.
  - Design, architecture and implementation of the different versions of the platform.
  - 100 000+ employee salary data collected to build our benchmark.
  - 200 companies in free trial / 5 companies in paying plans.
  - Bought by Lucca (<https://www.rhmatin.com/paie/remuneration/sirh-lucca-acquiert-compwise-pour-disposer-d-une-touche-comp-ben.html>)
- 09/2022 – 12/2022 **Founder in Residence (Entrepreneurship, User interview, UX research)**, *Entrepreneur First*, Paris
- €100k investment to support the growth of Compwise
- 05/2022 – 08/2022 **Senior Software Engineer (TS, NodeJs, AWS, Lambda, DynamoDb, React, Git)**, *Joko*, Paris
- Internationalization of the chrome extension and the web app.
  - Conducting fit and technical interviews for new engineers.
- 07/2021 – 05/2022 **Senior Software Engineer (TS, NodeJs, Docker, Bash, Git, PostgreSQL, React, Python)**, *Mindmesh (YC S21)*, Paris
- Mindmesh is an early stage international startup based in Boston and Paris which develop a productivity webapp for product managers.
- User research with the CEO and the CTO.
  - Implementation of successive MVPs (3 pivots).
  - Migration of the drive/slack/jira integrations from Python to Typescript fully typed.
  - Migration of the rich text editor framework from Draft.js to Plate and open source contributions.
  - Data visualization with D3.js.
  - Enforce good practice (introduce strict Typescript option and linter in an existing codebase, code review).

- 09/2020 – 06/2021 **Software Engineer (TS, NodeJs, Docker, Bash, Git, MongoDB, React, GraphQL)**, *Cour de Cassation*, Paris  
Inside the program "Entrepreneur d'Intérêt général", I worked in the Court of Cassation to open justice data.
- Conducted over 40 user interviews. Weekly meeting with the Court of Cassation's executive officers to set up the roadmap.
  - Inside a pluridisciplinary team of 4 people, I led the design and the architecture of an open source application, LABEL, to annotate and anonymize justice decisions (<https://github.com/Cour-de-cassation/label>)
  - Mentoring around software quality.
  - First MVP released in 3 months.
  - Best software development practices: mono-repository, high test coverage, strict typing, containerization.
  - Used by 20 public agents daily, this new tool increased the number of annotated justice decisions per user and per day from 15 to 100.
  - Succeeded handover, the project is still under active development.
- 02/2019 – 09/2020 **Software Engineer (JS, NodeJs, Docker, Bash, Git, MongoDB, Vue)**, *360Learning*, Paris
- Design, development, and production launch of the integrations to third party online courses platforms (Coursera, LinkedIn Learning, Udemy, Edx,...). Thousands of courses were synchronized daily.
  - Redesign of the architecture of the connectors to the APIs. The time to develop a new connector for a new third party platform went down from 1 month of work to 2 days with a complete test coverage.
  - More than 30 technical interviews realized for the the recruiting process of other software engineers.
- 03/2018 – 09/2018 **Research Intern (OCaml, C, Assembly, Maxima, Git)**, *LIP6, UPMC*, Paris
- Automatic memory consumption analysis of program with static analysis.
  - Implementation a functional prototype for a subset of the OCaml language ([https://github.com/fondation451/ocaml\\_region](https://github.com/fondation451/ocaml_region))
- 03/2017 – 09/2017 **Research Intern (OCaml, C, Assembly, Git)**, *OCaml Labs, Cambridge University*, Cambridge
- Design and development of an open source lock-free data structure library. A lock-free data structure is a data structure which can be used safely without lock or "mutex" in a parallel environment (<https://github.com/ocaml-multicore/lockfree>)
- 06/2016 – 08/2016 **Research Intern (JS, Python, SQL, Git)**, *STEEP, INRIA*, Grenoble
- Development of a web application implementing algorithms for projecting greenhouse gas consumption, constrained by different scenarios from the COP21. (<http://redem.inria.fr/>)

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## Education

- 2015 – 2018 **Master's degree, Computer science (MPRI) - "parcours normalien"**, *Ecole Normale Supérieure*, Paris  
My studies focused on functional programming, compiler design, cryptography, networking and software engineering.

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## Languages

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|---------|-----------------|
| French  | Mother tongue   |
| English | Business fluent |
| Spanish | Intermediate    |