Nicolas Assouad

nicolasassouad75@gmail.com
nicolas-assouad-02548412a/
fondation451

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

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.lucca.fr/blog/lucca-acquisition-startup-compwise/*)

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.
- Implemention a functional prototype for a subset of the OCaml language (*https://github.com/fondation451/ocaml_region*)

03/2017 – 09/2017 **Research Intern (OCaml, C, Assembly, Git)**, *OCaml Labs, Cambrigde University*, Cambrigde

- 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/*)

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.

Languages

French	Mother tongue
English	Business fluent
Spanish	Intermediate

Interests

Music	15 years of guitar and singing, Music writing
Sport	Hiking, Bike, Tennis, Ski, Skateboard