Nathan Sarrazin | CV

Karlsruhe, Germany

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EXPERIENCE

Apple | Sr. Full-Stack Engineer
September 2025 - Present
- Working in Apple AIML on tooling for ML researchers.

Hugging Face | Software Engineer
May 2023 - July 2025
- Lead developer on HuggingChat, an open-source alternative to ChatGPT. Built a consumer webapp that attracted over 100k MAU within a year. Created front and back-end features using SvelteKit, TypeScript and MongoDB.

- Core maintainer on the open-source repo chat-ui powering HuggingChat. Helped more than 100+ contributors with their PRs and grew project visibility to more than 8k stars.

- Developed new features to highlight top open-source LLMs, adding agentic and web search functionalities, built using TypeScript and Node.js.

Hello Energy | Fullstack Software Engineer
April 2022 - May 2023
- Revamped front-end of flagship product for 1000+ B2B customers using React & TypeScript, achieving an 80% decrease in page load time, bringing it down to under 1s.

- Modernized front-end toolchain with TypeScript, Webpack, and ESLint, implementing automated CI/CD pipelines for linting and testing.

- Implemented a component library system by collaborating with designers to create reusable components using Storybook, enhancing developer experience and streamlining design reviews.

- Led greenfield portfolio management project for the company's largest client, meeting tight deadlines and contributing to securing new contracts.

VanBoven | Software Engineer
July 2020 - Dec. 2021
- Delivered an internal web app for ML evaluations and monitoring MLops pipelines using Flask, Plotly, and GitLab for CI/CD.

- Contributed to the core product by developing full-stack features using React, TypeScript, and Python/Django.

- Participated in UX research from ideation in Figma to UX testing in a B2B setting.

DARE | Simulations Engineer
September 2018 - April 2020
- Led a team of 3 developers to rewrite an in-house Python rocket trajectory simulator, using TDD methodology, achieving a 25x speedup in simulations used for flight safety.

PUBLICATIONS

- Tunstall, Lewis, et al. *"Zephyr: Direct Distillation of LM Alignment."* arXiv:2310.16944 Conference paper at COLM 2024.
Contributed to the research project by building the interface used to test and showcase the model.

OPEN SOURCE

Serge | Project Maintainer
(5.5k+ stars, 400 forks, 30+ contributors)
- Built a self-hosted alternative to ChatGPT to chat with AI language models of the LLaMA family, using SvelteKit, FastAPI, Redis, and MongoDB.

- Organized contributors on GitHub, triaged issues, and built a Discord community of 750+ users. Handled community outreach, reaching the top of GitHub's trending page.