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EXPERIENCE

Hello Energy | FULLSTACK SOFTWARE ENGINEER
Rotterdam | April 2022 - Present

- Led the front-end effort to rewrite the flagship product of the company, used by 1000+ B2B users, decreasing page load time by 80% to less than 1s
  - Overhauled the front-end toolchain of the company, bringing in new features such as TypeScript, Webpack and ESLint with automated CI/CD pipelines for linting & testing
  - Introduced a component library system to the team, translating Figma design to reusable components, using stories for improved developer experience & reducing design review effort
- Collaborated in a product team of 6, delivering features for a SaaS application targeted at real estate managers
  - Solved customers' pain points and delivered new features with Python+Django and TypeScript+React
  - Mentored team on front-end best practices through pair programming and code reviews
- Took ownership as a solo dev of a portfolio management project for the biggest client of the company, and delivered the app under time constraints, helping to close new deals with the customer

VanBoven | PART-TIME SOFTWARE ENGINEER
The Hague | July 2020 - Dec. 2021

- Delivered an internal web app used to test new ML models and monitor ML pipelines using Flask & Plotly
  - Implemented software best practices such as version control, CI/CD and dockerization
- Contributed to the core product by developing new features in both front & back-end
  - Developed new front-end dashboard components using React, TypeScript and CSS
  - Improved the PDF report generation pipeline of the company, using Python & LaTeX
- Participated in UX research by making mockups in Figma and testing them in a B2B setting

Delft Aerospace Rocket Engineering | SIMULATIONS ENGINEER
Delft | Sept. 2018 - April 2020

- Led a team of 3 developers tasked with the complete rewrite of our in-house Python rocket trajectory simulator
  - Defined & implemented the simulator architecture, resulting in a 25x speedup of simulations
  - Test-Driven Development (TDD) with validation of the code using experimental data from NASA
- Performed forensics analysis of the Stratos III rocket launch using the python data science ecosystem

EDUCATION

TU Delft | BSC. AEROSPACE ENGINEERING
Part-time | 2017 - Now

- Gained quantitative skills through courses: Linear Algebra, Differential Equations, Statistics, Numerical Methods
- Contributed to group projects where teamwork and clear communication were critical. Mentored teams on Python best practices, and performed data analysis & simulations using the Python data science ecosystem

OPEN SOURCE

Serge | PROJECT MAINTAINER
3.5k+ stars | 230+ forks

- Built a self-hosted alternative to ChatGPT used to chat with AI language models of the LLaMA family.
  - Created project using SvelteKit, FastAPI, Redis & MongoDB.
  - Dockerized the project for single-command install and easy deployment in the community
- Organized contributors on GitHub, triaged issues and built a Discord community of 750+ users

SKILLS

ReactJS · **TypeScript** · JavaScript · Svelte · HTML · CSS · Webpack · **Python** · Django · Flask
Docker · SQL · MongoDB · Scrum · **TDD** · Unit & E2E Testing · **Figma** · LaTeX · **CI/CD** · AWS · Linux