

Sjors Holtrop

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Software engineer with a formal background in systems programming and performance evaluation, and 3 years of experience in web development and infrastructure. Wide skillset that includes backend (TypeScript, Python), frontend (React, Svelte), infrastructure/tooling: Linux, Bash, Docker and AWS. Fluent Japanese speaker (JLPT N1).

Experience

Software Developer

2021 – 2024

LUDev – part-time

Leiden

- Improved efficiency of project acquisition/assignment by spearheading the redesign of our [client-facing website](#) and creating an entirely new back office for students & staff. This allowed us to handle more projects per year.
- Increased the average amount of successful commercial projects delivered per year from 2 to 7 by giving lectures on modern web development and testing practices (frontend/backend/UI, CI&CD/testing).
- Set up automated testing (CI) and helped with containerization for over 40 projects.

Freelance Full Stack Developer

2019 – 2021

Independent

- Custom website designs in Figma, implemented in Svelte/Vue with NodeJS/Python backends
- See [my website](#) for the full list of projects

Education

MSc Computer Science – Advanced Computing & Systems

2022–2024

Cum Laude | Thesis to be published

Leiden

BSc Computer Science

2019–2022

Teaching Assistant for Programming Techniques, Software Engineering and Operating Systems

Leiden

BA Japanology

2015–2019

Cum Laude | 5 months study abroad in Nagasaki | 1 year study abroad in Yamagata

Leiden

Highlight Projects

LUDev | TypeScript, Docker, Svelte | professional

- Made the frontend fully statically typed with TypeScript
- Decoupled data and presentation through a new REST API
- Wrote end-to-end test suite in Vitest, containerized application with Docker, set up continuous integration with GitHub Actions

LDPFuse | C, C++, low-level, Linux, systems | [Source code](#) | personal

- A more performant, fully userspace alternative to Linux FUSE (Filesystem in Userspace).

Twitch extension: DbD Live Game Info | React, TypeScript, WebSockets | [Source code](#) | personal

- Hobby project. Extension for twitch.tv that can show real-time in-game information overlaid on the stream.

For more, see [my personal website](#)

Technical Skills

Professional experience: TypeScript (Frontend and NodeJS), JavaScript, Python, React, Svelte, Docker, Figma, PostgreSQL, MongoDB, Mikro-ORM, TypeORM, Git, Bash scripting, GitHub Actions, CI/CD, AWS, technical/documentation writing, Agile, Scrum

Hobby project/Course work experience: Rust, C, C++, Java, GCP

Languages

Japanese: Fluent. JLPT N1 134/180. Winner of the [2022 Japanese Public Speaking Contest](#).

English: Near-native

Dutch: Native