Sjors Holtrop

 sholtrop.dev   ✉ sjors@sholtrop.dev   in linkedin.com/in/sjors-holtrop   ⓞ github.com/sholtrop

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

Education

MSc Computer Science – Advanced Computing & Systems   October 2024
Cum Laude   *Leiden*
- Systems programming and performance evaluation, file systems, high performance/distributed computing

BSc Computer Science   2019–2021
                                                                                                                                 Leiden
- Teaching Assistant for the courses Programming Techniques, Software Engineering, Compiler Construction and Operating Systems

BA Japanology   2015–2019
Cum Laude   *Leiden*
- 2017 Apr-Aug – Among top 25 students selected for a 5-month exchange at Nagasaki University
- 2017-2018 – Chosen for one year exchange at Yamagata University with MEXT scholarship

Experience

Software Developer   2021 – 2024
LUDev   *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.
- Checked and refined technical requirements of over 50 incoming software projects. Clients include the Dutch Ministry of Finance, Centre for Human Drug Research, and Accenture.
- Increased the average amount of successful commercial projects delivered from 1 to 7 by giving lectures on modern web development and testing practices (frontend/backend/UI, CI&CD/testing).

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

Highlight Projects

LDPFuse | *C, C++, low-level, Linux, systems* | Source code
- BSc project: A more performant, fully userspace alternative to Linux FUSE (Filesystem in Userspace).

Twitch extension: DbD Live Game Info | *React, TypeScript, WebSockets* | Source code
- Hobby project. Extension for twitch.tv that can show real-time in-game information overlayed on the stream.

C Compiler | *Rust* | Source code
- Course project for Compiler Construction. Toy C Compiler for a minimal C-like language. Received a perfect grade.

Technical Skills

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