Joost Visser

Software Developer

Looking for a fully-remote in-house or external software role.

My mission is to use my skills to make a positive impact by creating tools and experiences that help and bring joy to others.

Check out an interactive version of my resume: https://joostvisser.dev

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About me

Programming

- Python
- Rust
- Dart
- TypeScript
- Java
- C/C++

Technical Skills

Jenkins   Github Actions
Terraform   Azure
Docker   Kubernetes
Node.js   Nest.js   Svelte
Django   Flutter
PostgreSQL   Linux   Git
Agile   Zsh

Personal skills

- Communication
- Presentation
- Mentorship

Languages

Expert	English
	Dutch
Intermediate	Japanese

Hobbies

Travelling   Climbing
Self-improvement
Karaoke   Reading
Coffee   Padel

Work History

▶ Full-stack Developer (temporary project)   Apr '23–Apr '24

ELEO, Helmond, Netherlands

ELEO develops modular batteries for off-highway vehicles.

- Developed and designed the product's Windows tooling app and API.
- Set up and implemented our CI pipeline and Azure infrastructure, increasing our test coverage from 2% to over 60%.
- Served as SCRUM Master, increasing goal delivery rate from 20% to 90%.

Tech stack: Dart, Flutter, Nest.js, Svelte, C++, Azure, Terraform, PostgreSQL

▶ Embedded Software Engineer   May '21–Mar '23

Lightyear, Helmond, Netherlands -- Vacated position due to bankruptcy

Lightyear developed the world's first solar car.

- Set up and implemented our Python infrastructure, including test-framework and CI tooling.
- Introduced versioning, changelogs, and trunk-based git.
- Integration and software testing.
- Organised quarterly alignment events and gave several workshops.

Tech stack: Python, C, CircleCI, Docker, Git, CAN, CCP, SonarQube

▶ Algorithm Developer   Apr '20–Apr '21

SmartQare, Eindhoven, Netherlands

SmartQare is a start-up creating a medical wearable for health monitoring.

- Developed a reliable fall-detection algorithm.
- Managed a literature study with external parties.
- Provided support for the QMS in Confluence

Tech stack: Python, Jupyter notebook, Confluence

▶ University Teacher in Data Structures   Apr '21–May '21

Avans University of Applied Sciences, Breda, Netherlands

Guest lecturer for the third-year "*Algorithms & Data Structures*" course. Managed all aspects of the course, from content creation to student exams.

Qualifications

▶ MSc - Computer Science - Cum Laude   Sep '16–Feb '20

Eindhoven University of Technology, Netherlands

Sample courses: Time Series Analysis, Advanced Algorithms (Java)

- Published an AI paper
- Exchange to Japan
- Chairman of a culture association

▶ BSc - Software Science   Sep '12–Jan '16

Eindhoven University of Technology, Netherlands

Sample courses: Programming Methods, Databases, Algorithms (Java)

- Exchange to Sweden

Highlights

▶ **Conference Paper - StampNet**   Sep '19

IEEE - International Conference on Image Processing

Published my master thesis research about a new neural network architecture for unsupervised multi-class object localisation.

Paper available at: https://arxiv.org/abs/1902.02693

▶ **Exchange Japan**   Apr '19–Aug '19

Tohoku University, Sendai, Japan

Performed research in game AI and followed Japanese language courses.
I received an "AA" grade for my research and both language courses.

▶ **Chairman Kinjin**   Sep '17–Sep '18

Japanese culture association Kinjin, Eindhoven

As chairman, I was responsible for networking, managing meetings and tasks, and providing leadership. We had an incredible lustrum year and achieved many of our goals.

▶ **NWERC - European Algorithm Contest**   Nov '15, '16, '17

Linköping University, Linköping, Sweden
Bath University, Bath, United Kingdom (2x)

Qualified for NWERC three times in a row after passing both Eindhoven and Benelux preliminaries in this international programming contest.

We placed first in the Netherlands at NWERC 2017.

▶ **Exchange Sweden**   Sep '14–Jan '15

Mälardalen Universität, Västerås, Sweden

Several master courses and projects in embedded systems, such as a project to create and improve a real-time operating system.
Result: all courses passed with "pass with credit" or "pass with distinction".

Projects

▶ **Portfolio Website**   May '24

Eindhoven, Netherlands

My own personal portfolio website: https://joostvisser.dev.

Tech stack: TypeScript, Svelte, Kubernetes, Github Actions, Tailwind, Node.js

▶ **Fortune Slip Generator**   Apr '23 - Jul '23

Eindhoven, Netherlands

A program that generates a PDF with fortune slips. Everything has been written with configurability in mind, from the design to text generation.

Tech stack: Rust, Github Actions

▶ **Cafetaria Website**   Feb '16–Apr '16

Horeca Recreatiebad Stappegoor, Tilburg, Netherlands

Developing and designing a website and reservation system for the cafetaria of a swimming pool. The website ran reliably for years.

Tech stack: Ruby on Rails, Bootstrap, HAML, SCSS, Coffeescript