Ajob Kustra

Full-Stack Software Engineer & Passionate Climber

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↖ kustra.nl   🚗 AM, B

ABOUT ME

As a dedicated **Full-stack Software Engineer**, I've collaborated on impactful projects at renowned institutions like **CERN**, the **Dutch Police** and beyond. My strength lies in fostering teamwork and innovation, consistently delivering solutions that drive positive change. I'm driven by a passion for problem-solving and a commitment to making a meaningful impact through technology. Outside of work, where I find the most fulfilment is in climbing, diving into books, and playing guitar.

CORE SKILLS

Angular (2 - 17) & AngularJS	● ● ● ● ●	React	● ● ● ● ●
JavaScript & TypeScript (Node.JS)	● ● ● ● ●	Java Spring Boot	● ● ● ● ●
SQL (OracleDB, PostgreSQL, MariaDB)	● ● ● ● ●	Python (OpenCV, Django, numpy)	● ● ● ● ○

PROFESSIONAL EXPERIENCE

CERN (BE-CSS-GTA) 🔗   02/2023 – 03/2024
Full-stack Software Engineer - Full-time (Project Contract)   Geneva, Switzerland

- Orchestrated the development of expert accelerator complex configuration tools (CCDE) and libraries (ACW) using **Angular**, **OracleDB**, and **Java Spring Boot**, serving over **400 monthly users**.
- Pioneered the migration and refactoring of legacy **AngularJS** code to **Angular 17**, improving the user experience and optimizing performance by **~42%**.
- Provided vital consultations and introduced innovative concepts, elevating the functionality and usability of configuration and visualization tools.
- Conducted thorough reviews and delivered actionable feedback for both front-end and back-end, ensuring the maintenance of high-quality standards throughout the development process.

Dutch Police (Sensing Team) 🔗   02/2021 – 02/2022
Full-stack Software Engineer - Full-time (Project Contract)   Utrecht, Netherlands

- Spearheaded critical front-end and back-end projects, including emergency response software and number plate recognition systems.
- Played a pivotal role in a **high-profile case** involving a prominent Dutch celebrity, demonstrating resilience and problem-solving skills.
- Utilized **Java Spring Boot**, **Kafka**, **OpenCV**, **React**, **Angular 12**, and **Node.js** to drive innovation and enhance law enforcement capabilities.
- Created live-streaming micro-services responsible for handling **~16 million Kafka events** daily.

University Of Applied Sciences Leiden 🔗   07/2020 – 02/2023
Full-stack Software Engineer & Senior Education Assistant - Part-time Leiden, Netherlands

- Led the instruction of programming courses across various institutions, focusing on topics such as programming, machine learning, computer vision, networks, and project management.
- **Mentored** new assistants to ensure a collaborative learning environment and upheld educational standards.
- Innovated the development of new courses and software for remote learning during the pandemic, demonstrating adaptability and creativity, increasing grading efficiency by **~60%**.
- Demonstrated expertise in **PostgreSQL**, **Angular**, **Java Spring Boot**, and **Python**, leveraging these technologies to deliver high-quality solutions and instruction.

Competa Code-Pamoja (GIZ / EU-funded project) 🔗

Full-stack Software Engineer (Intern) - Full-time

09/2018 – 03/2019
Rijswijk, Netherlands

- Developed a web-application investment tool for the German government to stimulate economic growth in Germany and Kenya, utilizing **React, Node.js, Laravel,** and **PostgreSQL**.
- Collaborated with **global teams**, including developers in Kenya, to successfully deliver the project on time and within budget.

aanmelder.nl 🔗

*Full-stack Software Engineer (Intern) - Full-time*

02/2018 – 06/2018
Delft, Netherlands

- Enhanced event organization software by developing front-end and back-end services, implementing features such as an SMS confirmation system responsible for **100.000+ SMSes** and front-end pricing modules using **Python**, **Jinja**, **Django**, and **PostgreSQL**.
- Successfully collaborated within a **SCRUM** team of eight developers, delivering high-quality software solutions within project deadlines.

EDUCATION

BSc: Computer Science (Honours, 4.0/4.0 GPA)

2019 – 2023

University of Applied Sciences Leiden 🔗

Including BSc minor in '**Sensor Technology and Physics**'

Vocational (Young Talent Programme): Information Technology (Honours, 4.0/4.0 GPA)

2016 – 2019

ROC Mondriaan 🔗

SUCCESSFUL PROJECTS

Elominter (Funded by GizmoeCNFT) 🔗

Founder & Block-chain Developer

02/2021 – present

- Created Elominter, a dynamic platform based on **Haskell**, **SQL** and **Python** for token minting and distribution, serving numerous clients and generating **50.000+ tokens** for the Cardano (ADA) chain. Click the title to see one of the projects I organized minting for.
- Engineered to handle **9.000+ concurrent transactions**, ensuring seamless performance and reliability for clients across diverse industries.

CERN Newcomers Community 🔗

Founder & Community Manager

02/2023 – present

- Created an active community for the 2023 CERN newcomers to expand their network and meet people like-minded people.
- Managing a community with over **15 groups** and **800+ members**.

Seaqull (Open-Source) 🔗

Founder & Full-stack Software Engineer

2021 – 2023

- Scoped open-source social media platform project I founded, aimed at educating novice engineers, utilizing technologies such as **React**, **Node.js**, **MongoDB**, **Python (OpenCV)**.
- Managed a team of contributors and actively maintained the project, fostering community engagement and ensuring continuous improvement. Contains **150+ merge-requests**.

ORGANIZATIONS

Salvation Army, Doctors without Borders, Dutch Cancer Society, etc. 🔗

Senior Captain for Donation Recruitment

04/2017 – 06/2019
The Netherlands

- **Top 0.01% performer country-wide,** sales scores **340%** of average salesperson.
- Orchestrated door-to-door sales, cold-calling, and recruitment efforts while managing sales teams and exceeding targets, honing communication and problem-solving skills.

LANGUAGES

| **English** (C2) | **Polish** (C2) | **Dutch** (C2) | **French** (A2+ and studying) | **German** (A2+ and studying) |