

Alexander KISELEV

Full Stack Software Engineer

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Quick-learning, independent and ambitious full stack software engineer, looking to bring the digital transformation into academic research.

SKILLS

Languages	TypeScript, JavaScript, Python, SQL, HTML, CSS, LaTeX
Frameworks/Libraries	SvelteKit, Svelte, Node.js, Express, PyTorch, Numpy, Scipy, Pandas, PostgreSQL, Tailwind CSS
Platforms	Google Cloud Platform, Digital Ocean, Supabase
Tools	nginx, Jupyter Notebooks, Vim, VSCode, Linux, MacOS, CLI
Soft Skills	Leadership, technical communication, just-in-time learning, independent problem solving, technical mentoring

EDUCATION

February 2023 September 2019	BSc Aerospace Engineering, TU DELFT, Netherlands <ul style="list-style-type: none">> GPA : 8.5 / 10 <div>Python MATLAB Numpy Pandas Scipy</div> Bachelor Thesis Project, CONCEPTUAL DESIGN OF HYDROGEN AIRCRAFT, Group <ul style="list-style-type: none">> Led the development of the design tool for calculating the design parameters of the aircraft> Architected the Object-oriented design of the tool to reflect the domain> Mentored group members on the code base and reviewed their contributions <div>Python Numpy Pandas Scipy</div> Honours Research Project, NEURAL NETWORK CLASSIFICATION OF HUMAN INPUTS, Individual <ul style="list-style-type: none">> Conducted an experiment on 10 human participants> Cleaned, processed and labelled the data gathered into a data-set to be used for further research> Implemented and trained DNN classifier, analysed the performance and possible applications <div>Python MATLAB PyTorch Numpy Pandas Google Cloud Platform Gradient Paperspace</div>
August 2022 January 2022	Software Engineering Core Curriculum, LAUNCH SCHOOL, Online <ul style="list-style-type: none">> Proficiency in developing client-server web applications using Node.js, Express> Expertise with SQL and its uses for modelling the problem domain> Training in problem solving and just-in-time learning <div>JavaScript Node.js Express SQL HTML CSS</div>

WORK EXPERIENCE

September 2022 January 2021	Junior Risk Analyst, SNAPSWAP S.A., Luxembourg <ul style="list-style-type: none">> Performed over 200 credit risk checks on new and existing customers> Prepared 12 quarterly reports on the state of the clients and on the state of the credit portfolio for regulatory bodies in Google Sheets> Automated part of the report preparation procedure using Google App Script> Gathered the data required for the reports via the Splunk platform, along with generating new data views to simplify the procedure for further reports <div>GSript Google Sheets Search Processing Language (SPL)</div>
July 2022 February 2022	Freelance web developer / domain management, FUTUROPINATIVO, Portugal <ul style="list-style-type: none">> Purchased, transferred and managed 6 different domains for the sub-companies of the group> Rapidly developed 6 websites for the sub-companies of the group, utilising low-code tools in order to achieve the required development velocity> Set up email hosting and mailboxes for 3 of the sub-companies <div>HTML CSS GoDaddy</div>

NOTABLE ACHIEVEMENTS

2022	Winner of Predictive Maintenance Hackathon at RoboHouse, TU Delft
2020	Selected for Bachelor Honours Program at Aerospace Engineering Faculty, TU Delft
2019	Completed GCE Advanced Level (UK high school diploma) with highest grades possible (A*, A*, A*, A, A)

PROJECTS

CUDIZONE

2022

cudizone.kiselev.lu  [sashalikesplanes/cudi-zone](https://github.com/sashalikesplanes/cudi-zone)

A web application to enable two people to stream a torrent together with synchronised playback while participating in a video chat. It consists of a server downloading a torrent file and streaming it to the clients, and a WebSocket messaging server to allow the playback synchronisation and WebRTC signalling. It is deployed on a virtual machine on DigitalOcean.

TypeScript Node.js Express SvelteKit Supabase (PostgreSQL) DigitalOcean WebRTC

WEBLEGO (PERSONAL BLOG)

2022

kiselev.lu  [sashalikesplanes/cudi-zone](https://github.com/sashalikesplanes/cudi-zone)

A static personal website, displaying information and experience along with a blog section. The blog posts are retrieved from a separate API connected to a database, to which they may be posted in Markdown format which is automatically converted to HTML. It is hosted on a virtual machine on DigitalOcean.

TypeScript Node.js Express SvelteKit Supabase (PostgreSQL) DigitalOcean