

Caio Fleury

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[Portfolio Website](#) | [LinkedIn Profile](#) | [Github Profile](#) | [Kaggle Profile](#) | [Docker Profile](#) | [NPM Profile](#)

EXPERIENCE

MSDK Research

Jul 2020 – Present

Full Stack Software Engineer, Data Scientist

Sliven, Bulgaria [Remote]

- Developed a management dashboard web application. This allowed the company to acquire an initial pre-seed investment of over 10 thousand dollars for further development of [ResQ](#), an AI powered solution for worker safety
Employed Tech Stack — TypeScript: Angular, GraphQL, Lodash, Mapbox
- Implemented systems for [automated testing](#) and debugging of the API that connects IoT devices with AI analytics modules and a dashboard web application. Lessening debugging complexity and decreasing server downtime by 30%
Employed Tech Stack — JavaScript: Node.js, Mocha.js, PostgreSQL | GO: Prometheus, Protobuf
- Developed the [back end server](#) and front end web application for the ResQ system responsible for tracking and displaying data from multiple IoT devices, as well as configuring the settings of said devices
Employed Tech Stack — JavaScript: Node.js, Express, Lodash | Typescript: Angular, Material, Leaflet, PouchDB
- Developed a [data analysis project](#) for scraping and analyzing thousands of grants from the EU's electronic system. This automated the process of searching for viable funding opportunities, reducing this operation's time cost by over 100%
Employed Tech Stack — Python: Selenium (Headless Chrome), Pandas, NLTK, Scikit-learn, Matplotlib
- Implemented and tested computer-vision neural networks for anomaly detection, fall detection, and more. Evaluated tens of neural networks for their viability and accuracy, selecting the fittest to be deployed in the company's projects
Employed Tech Stack — Python: TensorFlow, Scikit-learn, Torch, Pandas, Matplotlib
- Created 14 pitch decks and over 20 promotional materials in different languages, presented and pitched to potential investors, landing the company a place in different accelerators such as [Point.IoT](#) and [Infoshare](#)

Qoollo

Jun 2019 – Jun 2020

Junior Full Stack Software Engineer, Junior Data Scientist

Moscow, Russia

- Developed custom-fit back end web servers and APIs. Deployed respective servers in a [Docker](#) container
- Delivered a quantitative analysis of the error margin of tens of different image recognition neural networks
- Created a C++ based software that identified car license plates and models via a recurrent neural network
All Employed Tech Stacks — JavaScript: Node.js, Express, MongoDB, Docker | C++: Darknet, .NET

Kickidler

Sep 2018 – Apr 2019

Software Engineer, Technical Support

Moscow, Russia

- Spearheaded the development of a [back end server](#) and front end app that creates budget quotes in 4 languages, reducing the sales team's cost for this task by over 50% and ensuring a high standard of service for international clients
- Delivered on-demand IT support to dozens of international clients per day. Diagnosed and fixed database errors
All Employed Tech Stacks — JavaScript: React.js, Node.js, Express, MongoDB | PostgreSQL

EDUCATION

Bachelor of Computer Science, First-Class Honors

University of London

- Publications: Fairness and Bias in Machine Learning

Information Analytics & Political Technologies

Bauman Moscow State Technical University

- Awards: European Engineering Championship, 1st Place, Team Captain; Bauman Case Cup, 1st Place, Team Captain

OTHER

- **Certifications:** [Data Science Professional Certificate](#) (IBM), [Object-Oriented Programming](#) (Goldsmiths), English as a Foreign Language (TOEFL), Russian as a Foreign Language (MSU), Technical Engagement (UNESCO)
- **Volunteering:** WebDev Teacher (Impacta Jovem Brazil), Intercultural Counselor (American Field Service Brazil)
- **Languages:** Portuguese (native), English (fluent), Russian (fluent), Spanish (intermediate), French (beginner)
- **Soft Skills:** Teamwork, Public Speaking, Project Management, Flexibility, Pitching, Agile Methodologies, Remote Work
- **Technical Skills:** Python, Docker, Scikit-learn, TensorFlow, Matplotlib, NLTK, Jupyter, Torch, Pandas, Selenium, Django, NLP, JavaScript, React, Angular, Express, Node, HTML/CSS, JSON, GO, Prometheus, Protobuf, C++, VBA, .NET, Linux, Bash, SQL, MongoDB, PostgreSQL, CI/CD, QA/QC, Excel, Jira, Github, Figma, UML, Heroku, AWS