

# Caio Fleury

caio.fleury.r@gmail.com | +55 (31) 997996447 | Belo Horizonte, Brazil

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

## EXPERIENCE

---

### SunDevs

Apr 2022 – Present

#### Semi Senior Backend Software Engineer

Miami, Florida [Remote]

- Optimized the back end server responsible for sending hundreds of thousands of push notifications to mobile devices. Improved response time by 300%, reduced the server's CPU usage by 30%, increased server load capacity by 400%
- Employed Tech Stack — JavaScript: Node.js, Serverless, mySQL, Mocha.js, AWS Lambda, AWS SQS, AWS EventBridge, Firebase

### MSDK Research

Jul 2020 – Mar 2022

#### Full Stack Software Engineer, Data Scientist

Sliven, Bulgaria [Remote]

- Developed a management dashboard application, [ResQ](#). Pitched the app to investors acquiring a pre-seed investment
  - Implemented systems for [automated testing](#) and debugging. Preventing errors and decreasing server downtime by 30%
  - Developed the [back end server](#) and web application for the ResQ system for tracking and configuring IoT devices
  - 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%
  - Implemented and tested computer-vision neural networks for anomaly detection, fall detection, and more
- All Employed Tech Stacks — TypeScript: Angular, Material, Leaflet, PouchDB, GraphQL, Lodash, Mapbox | PostgreSQL | JavaScript: Node.js, Mocha.js, Lodash | Python: TensorFlow, Scikit-learn, Torch, Pandas, Matplotlib | GO: Prometheus, Protobuf

### 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:** AWS, Serverless, JavaScript, TypeScript, Python, GO, Node, SQL, noSQL, Redis, PostgreSQL, mySQL, Docker, Scikit-learn, TensorFlow, Matplotlib, NLTK, Jupyter, Torch, Pandas, Selenium, Django, NLP, React, Angular, Express, Lodash, Mocha, HTML/CSS, JSON, Prometheus, Protobuf, C++, Linux, Bash, CI/CD, QA/QC, Excel, Jira, Github, Figma, UML, Heroku