

# Mohammad Mahdi Sanjari

## Front-End Developer

✉ mahdi.sanjari@meet4fit.ca ☎ 09392148767 📍 iran,tehran 🔄 psycho110 in Mohammad-mahdi

### Profile

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As a front-end developer with experience across multiple industries, I thrive on tackling new challenges and pushing the boundaries of what's possible. I'm passionate about collaborating with diverse teams and contributing to projects beyond my immediate scope of work. With a commitment to staying up-to-date on the latest trends and technologies, I've earned praise from previous employers for my attention to detail and dedication to continuous improvement.

### Professional Experience

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#### Full-Stack Software Developer (Full-time), The Department of Geography, University of Calgary, Calgary (remote)

09/2021 – present  
calgara, ca

- Design the system architecture and developing the RESTful API, called LDAR-Sim, (using Django web framework, Next JS, MongoDB, PostgreSQL, Amazon Web Services and Apache CloudStack) for the Intelligent Methane Monitoring and Management System (IM3S) Project - and demo video available on my YouTube: <https://www.youtube.com/watch?v=R3Xxj-XG7JE>

- Development of a RESTful API for vehicle-based methane monitoring systems for big data preprocessing, management and filtering (using Django web framework, PostgreSQL, Next JS, AWS and nginx web server) I can't publish the link due to security issues, but I can present in the interview session

Short summary of my responsibilities: In this project there are 6 POMELO trucks measuring data in 10 Hertz frequency 8 hours on a daily basis. So, the main goal is dealing with a huge data files coming in the form of Excel sheets. UI/UX design based on users' requirements, front-end development, database management for automatic data validation and data cleaning, access control management, back-end API development, test and deploying on AWS.

- Design and developed a website using Next JS (front-end) and Django web framework (back-end) and Amazon Web Services (cloud platform) - <https://pomelo-methane.com/>

### Skills

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HTML	CSS
Javascript	React
Tailwind	MaterialUi
Nextjs	Restful api
Axios	Git
Redux	React query
Chart js	Leaflet js
Map box	Python
Django & Drf	Postgres & PostGis