



# Drăgoi Vlad

## Full Stack Developer

Full-Stack Developer with expertise in building production mobile applications and IoT systems. Creator of Skiro, a ski resort app with 3,000+ downloads on iOS and Android, featuring real-time lift status powered by custom IoT devices deployed across 15 ski lifts. Experienced with Angular, React Native, FastAPI, and AWS services. Strong background in data automation, API integration, and interactive data visualization.

## Contact

### Phone

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### Email

hello@vladdragoi.com

### LinkedIn

linkedin.com/in/vlad-dragoi

### GitHub

github.com/airdgo

## Education

2022 - 2024

### Master of Applied Computer Science

University of Petroșani

2018 - 2022

### Bachelor of Aerospace Engineering

Universiry POLITEHNICA of Bucharest

## Skills

- **Programming languages:** Python, JavaScript, TypeScript, SQL, HTML, CSS
- **Frontend:** Angular, React, React Native, TailwindCSS
- **Backend:** Flask, FastAPI, ExpressJS, NestJS, Node.js
- **Database:** PostgreSQL, MongoDB
- **DevOps:** Kubernetes, Docker, Git, CI/CD pipelines

## Languages

- **Romanian** (native)
- **English** (fluent)
- **French** (conversational)

## Experience

### Jun 2024 - present

Thoughtworks

#### Full Stack Developer

- Design, develop, and maintain scalable data-driven web applications using Angular for the frontend and Flask for the backend, ensuring robust performance and responsive user experiences.
- Optimize backend services to efficiently handle high data volumes, enhancing system performance and reliability.
- Integrate RESTful APIs and optimize database queries to streamline data retrieval and processing, supporting real-time insights and interactive data visualizations.
- Implement interactive user interfaces to display large datasets, using tables and graphs for clear and intuitive data visualization.
- Actively participate in code reviews, ensuring code quality, maintainability, and adherence to best practices.

### Mar 2022 - Jun 2024

ARRK R&D

#### Full Stack Developer

- Collaborated within a cross-functional team to design and develop a high-performance web application using Angular and Express.js, unifying multiple tools into a seamless, integrated platform.
- Transformed engineer workflow by eliminating manual data transfer and formatting between apps, resulting in 60% time savings.
- Facilitated onboarding and mentorship for new colleagues, promoting a collaborative work environment.

### Jul 2021 - Mar 2022

COMOTI

#### Data Analyst

- Developed custom Python scripts to automate data cleaning, preprocessing, and interpretation of large-scale satellite pump test datasets.
- Partnered with a multidisciplinary team of researchers to analyze complex datasets and generate actionable insights.

## Projects

### Skiro

<https://skiro.co/download>

Real-time ski resort application serving 2 resorts (Straja, Pasul Vulcan) with 3,000+ downloads on iOS and Android. Built with React Native, FastAPI and PostgreSQL. Designed and deployed 15 custom ESP32 IoT devices on ski lifts for live status monitoring with heartbeat tracking and OTA firmware updates. Features offline-first architecture, multi-language support, and interactive Mapbox trail maps.