



FootPrint Travel

PROGETTO FINALE FRONT END



Content

In this slide, I will show my work, my project, and the reason for my choice.

PROJECT

KEY FEATURE

NETLIFY



PROJECT

- Problem: Air travel is a significant contributor to global carbon emissions. Many travelers are unaware of their individual impact or how to reduce it.
- Solution: FootPrint Travel is a user-friendly web application designed to calculate the carbon footprint of air travel.





GoClimate API Reference

Introduction

The GoClimate API is organized around [REST](#). It has resource-oriented URLs, accepts form-encoded request bodies, returns [JSON-encoded](#) responses.

Calculation Model

The GoClimate API uses IATA-airport codes of a route to calculate the CO2-emissions. You can read more about how the calculation is performed [here](#).

Client Libraries

travelpayouts

Partner programs Resources About us Log in Join Travelpayouts

Help Center

Q Help center search

Start page

API for mobile apps

With the mobile [API](#), affiliates can build the Aviasales search into their own apps. The main [API](#) features:

- [Search for airports and cities by string](#)
- [Getting airline logos](#)
- [Price calendar](#)
- [Price Map: supported routes](#)
- [Price Map: price](#)
- [Convert the price](#)

Search for cities/airports by string

To search cities or airports by string, use a GET request of the following form:

[http://autocomplete.travelpayouts.com/places2?term=Lon&locale=en&types\[\]=city&callback=function](http://autocomplete.travelpayouts.com/places2?term=Lon&locale=en&types[]=city&callback=function)

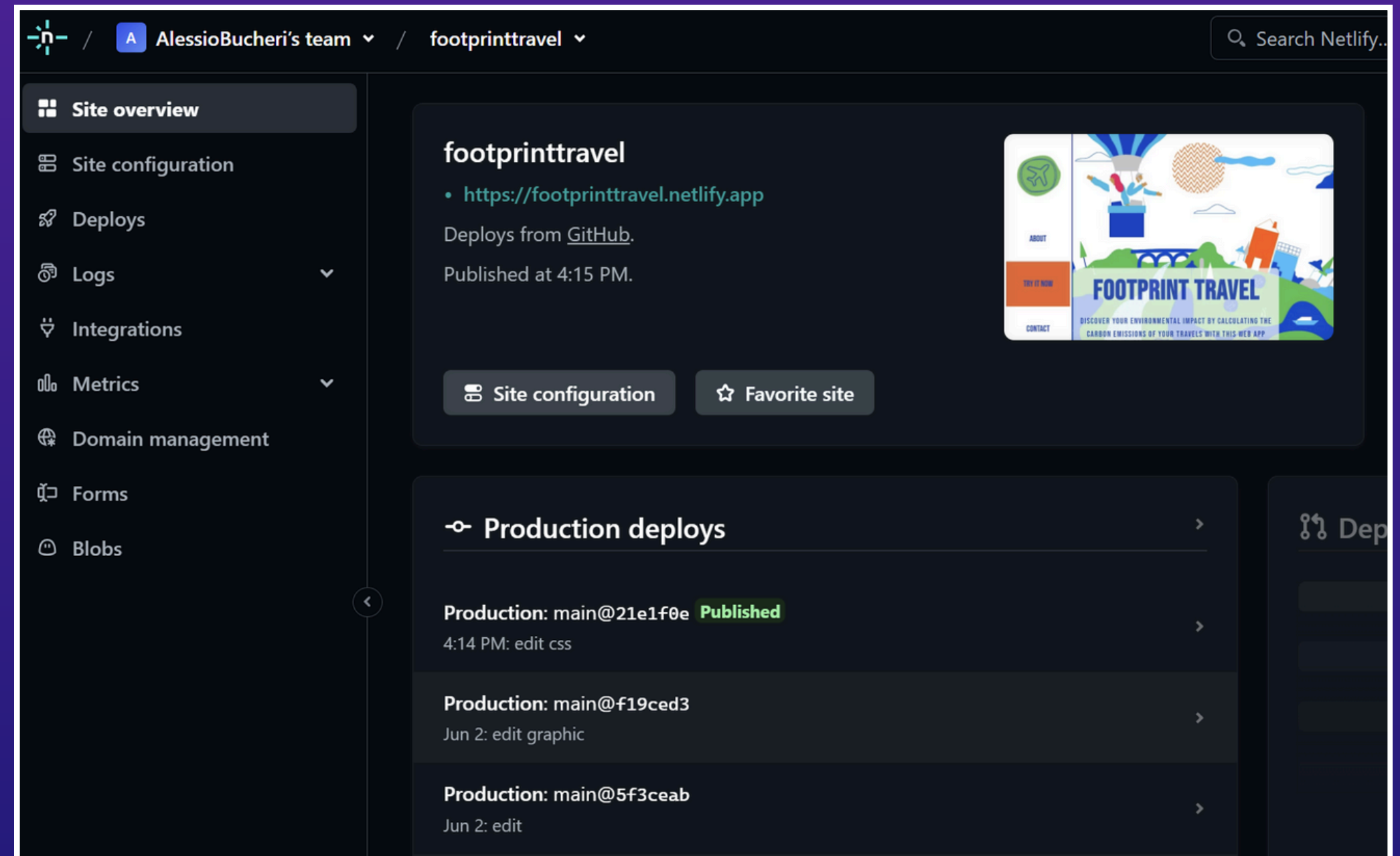
KEY FEATURE

- **Accurate Carbon Footprint Calculation:** Utilizes up-to-date emissions data and sophisticated algorithms to provide precise carbon footprint estimates for individual flights or entire itineraries.
- **Front-End:** Developed using React, HTML, CSS, and JavaScript for a seamless and responsive user experience.
- **Data Sources:** Integrates reliable emissions data from reputable sources API like travelpayouts.com and goclimate.com.



NETLIFY

- Deployment and Hosting: Leveraged Netlify's powerful platform for streamlined deployment and hosting, utilizing custom environment variables for secure configuration management.
- Scalability: Designed with scalability in mind, ensuring the application can handle increased traffic and user demand as it grows.
- Mobile Responsiveness: Optimized for mobile devices, providing a user-friendly experience on smartphones and tablets.



Thank You

Here you will find the github repository to find my job:

<https://github.com/AlessioBucheri/FootPrint-Travel>

Here you can try my web app:

<https://footprinttravel.netlify.app/>

FootPrint Travel