

# Sophia Lanzendorf

## Software Engineer

☎ (314) 401-5693 | 📍 Yorktown, Virginia | 🔗 [linkedin.com/in/sophialanzendorf/](https://www.linkedin.com/in/sophialanzendorf/) | 🐙 [github.com/sophlanz](https://github.com/sophlanz) | ✉ [sophialanzendorf@gmail.com](mailto:sophialanzendorf@gmail.com)

### Skills

|                    |                    |                            |  |                    |  |           |               |          |           |       |
|--------------------|--------------------|----------------------------|--|--------------------|--|-----------|---------------|----------|-----------|-------|
| <b>Tech Skills</b> | • Typescript       | • React                    | • Next.JS  | • Redux            | • SCSS   | • Node.JS | • postgresSQL | • Prisma | • MongoDB | • DSA |
| <b>Soft Skills</b> | • Advanced Spanish | • Cross-Culture Leadership | • Lifelong Language Learner: Programming and Natural | • Innate Curiosity | • Strong Written and Oral Communication Skills |           |               |          |           |       |

### Personal Projects

#### Portfolio

- Portfolio website to showcase my projects in a more cohesive and artistic manner than Github, along with a contact form for connections.
  - Advanced and creative CSS transitions and animations.
- Technologies: Typescript, Next.JS, React, SCSS, SendGrid

Live Demo: [github.com/sophlanz/portfolio](https://github.com/sophlanz/portfolio) Source Code: [sophialanzendorf.vercel.app/](https://sophialanzendorf.vercel.app/)

#### Language Learning with AI

- Translate from any language into English, Spanish, French, German, Chinese, Japanese, or Korean. Listen to a human-like AI voice read the translation.
  - Use AI to generate a writing prompt, and have AI check for grammar mistakes.
  - Create, save, and update decks with vocabulary/grammar cards for studying
- Technologies: Typescript, Next.JS, React, DeepL API, GPT-3 API, Play.ht API, O-Auth, postgresSQL, Prisma

Live Demo: [ai-lengua.vercel.app/](https://ai-lengua.vercel.app/) Source Code: [github.com/sophlanz/translate-deepL](https://github.com/sophlanz/translate-deepL)

#### Ecommerce Excursions

- E-commerce website that allows users to browse and book excursions in various countries, select the date of their choice, and add it to the fully functional shopping cart. Filter the excursions of your choice based on budget, duration, and location.
  - Heavy use of images, page load time optimized through image compression with ffmpeg, and further optimized with Next.js lazy-loading.
  - Migrated from create-react-app to Next.JS.
- Technologies: Next.JS, React, SCSS, ffmpeg

Live Demo: [ecommerce-travel.vercel.app/](https://ecommerce-travel.vercel.app/) Source Code: [github.com/sophlanz/ecommerce-travel](https://github.com/sophlanz/ecommerce-travel)

#### CV Generator

- CV generator specifically aimed to assist self-taught developers looking to land their first junior dev role. Add, edit, and delete capabilities of all CV elements that could require customization.
  - Migrated from React Class components to React Functional components.
  - CRUD operations that allow users to save their CV, and return later to view or edit.
- Technologies: React, React-Router, Redux, SCSS, Node.JS, Express, MongoDB

Live Demo: [cv-curator.up.railway.app/](https://cv-curator.up.railway.app/) Source Code: [github.com/sophlanz/cv-generator](https://github.com/sophlanz/cv-generator)

### Work Experience

#### Freelance

English Teacher

Remote

June 2021-Present

- Assist students with a wide range of English abilities in achieving native-like communication skills, both oral and written.
- Implement various techniques depending on the strengths and weaknesses of the student, and remain flexible to adapt the lesson to the desires and goals of the student.

#### Recurse Center

Coding Sabbatical Participant

Remote

August 2022-October 2022

- Dedicated 12-weeks to a competitive, self-directed, coding retreat, where I worked full-time improving my coding skills. Pair programmed across a wide range of languages with other engineers, as we helped debug and offer guidance on our respective projects, as well as data structures and algorithms.

#### Ministry of Education Spain

English Assistant

Mallorca, Spain

September 2020-May 2021

- Conducted conversations with students, with an emphasis on increasing confidence to converse with native speakers, and ability to express themselves in a concise manner.

#### BFITS

7th-9th Grade Science Teacher

Bangkok, Thailand

October 2018-October 2019

- Independently constructed and delivered PowerPoints, worksheets, and activities to suit a diversity of learning styles and assist students efforts to understand course material.
- Adhered to strict grading and assessment deadlines recorded on an online management system.

### Education

#### University of Miami

B.S. Exercise Physiology; B.A. Political Science

Miami, Florida

August 2014-May 2018