Hello Tailwind Labs,

It's been a while since I wrote a cover letter as most companies nowadays use solely CV + a brief description for the initial application.

However, I decided to write one because I resonated with the job description. While reading through it, I found myself subconsciously nodding to pretty much everything on the list.

I believe I'd be a good fit for Tailwind due to my vast experience, versatility, and creativity. I am not afraid of new things so any such task would be done with enthusiasm. Your tough problems would be solved due to my innate engineering mind, courtesy of nine years of engineering background. Creative and multifaceted projects would get a breathe of fresh air because I love innovation and creativity.

A brief "Who I am" that's aligned with your expectations:
- First and foremost, I love technology. I wouldn't be sending this cover letter otherwise;
- I *thrive* in new and unknown environments. As a freelancer, I often find myself taking on projects in technologies I've never worked with before just to challenge myself and see if I can do it. So far I've accomplished every such project I undertook. I adore novelty, creativity, and exploration. That's literally my fuel, not coffee (although I like coffee, too);
- I love writing. I've written academic papers, technical articles, travel blog posts, and a first draft of a soon-to-be adventure novel;
- As a creative guy (musician, writer, digital artist, photography/video amateur), design is extremely important to me. Sometimes it gets sidetracked in favour of code, which is a shame. Software should both be great and feel great;
- I love teamwork. One of the downsides of solo freelance is not having many smart people around to inspire you. I do miss that from my old coworking and university days;
- Pair programming is something I've always loved doing, but rarely got the chance to do. It's great for brainstorming and it's great for team building. It's such a no-brainer for me that two smart minds usually find a solution sooner, as well as have fun in the process. I'm glad to see pair programming is valued highly at Tailwind;
- I'm a sucker for perfectionism. I like refactoring code, optimizing methods, and cleaning up the look-and-feel of my projects. Sometimes I even write documentation for code only I will be using.

Relevant experience:

As a software developer with over 10 years of experience, I've worked on a lot of different stuff. Here's a definitely non-inclusive list:

- Desktop development in C/C++ and Java
- Machine Learning in Python
- Backend development in Node.js, PHP, Java
- Android development in Flutter, Java, and Kotlin
- Frontend development in React, Vue, Vanilla JS, and more
- Database engineering with multiple database systems (MySQL, Postgres, Mongo)
- Game development and 3D design for multiple projects
- Many, many personal projects (open-sourced on GitHub)

Proud of:

- Founded Charly OCR, an easy-to-use OCR platform. Built and designed the entire service 100% from scratch using Bootstrap and Node.js. Integrated a payment processor for handling digital payments and tax worldwide. The service was fully up and running in about 3 weeks.
- Created Sanctuarium Adignani, a 3D virtual underground church crypt. Implemented the whole thing from scratch. Created a FPS controller for user navigation, captured and retouched all digital imagery, used photogrammetry for digitally recreating the incorrupted bodies of saints, used optimization and texture baking for reducing GPU draw calls. My most creative project so far.

Leadership:

- Co-founded and spearheaded technical development at Dragonfly (a startup venture in Nijmegen, Netherlands)
- Formed JURI, an AI-based personal assistant, led the team between a designer and myself, and implemented the entire codebase from scratch
- Led database research projects at OpenNovations, including data analysis, data import and integrity validation, and data migration to Postgres
- Started two personal business ventures so far: ANIX (freelancing business) and CharlyOCR (online OCR service)
- Completed dozens of projects from start to finish, in which I was the sole responsible developer and programmer

References:

- All of my official publications, listed chronologically:
  https://www.linkedin.com/in/lukacupic/details/publications/

Sincerely,
Luka Čupić