







# DAVID PESCARIU

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## ABOUT

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I am a full stack developer with 3+ years of experience in web, mobile and backend development.

Specialized in *SvelteKit* and *Tailwind* on the web, and *Flutter* with an accent on location-based applications for mobile. I am also proficient in *Node.js*, *Golang* and *Python* on the backend, with *Firebase* and *Supabase* as my BaaS. Other technologies that I have worked with include *Stripe*, *Auth0*, various CRMs, *Vercel/Netlify*.

Highly motivated and results-oriented with a passion for building innovative and user-friendly digital products and experiences. I am also a great team player and am constantly learning new things to better myself.

## WORK EXPERIENCE

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### Full-Stack Developer & Consultant - Freelancing

June 2023 - Present Cluj-Napoca

- Built highly modular microservices designed to scale & handle intense bursts of traffic.
- Solutions I created helped businesses increase their revenue by over 40% and increased Lead Show Rate & Lead quality by 20% by implementing automated systems with AI.
- Implemented complex frontend apps with an emphasis on UX and a11y.
- Collaborated with other Product, Design and User departments as well as Executives & Decision Makers.
- Transitioned old codebases and products to modern implementations, increasing DX and decreasing future development time and cost by more than half.

### Co-Founder & Full-Stack Developer - Prisma Safety

Apr 2021 - May 2023 Cluj-Napoca

- Managed our development team and implemented the Prisma App (Flutter), Prisma Websites & Platforms (Svelte/SvelteKit), and all backend infrastructure, including public and private facing REST APIs.
- Developed caching systems using HiveDB to decrease the mobile app's startup time by 5x.
- Implemented billing services with Stripe and authentication flows using Auth0.
- Handled CI / CD of our platforms, deploying front-facing platforms on Netlify and managing backend infrastructure on Heroku/Functions and Firebase or Supabase.

### Freelance Web Developer

Nov 2020 - Mar 2021 Remote

- Designed and implemented mobile-first web experiences using Svelte, tailored to my clients' needs.
- Increased traffic to their platforms by up to 80%, thereby improving their long-term revenue and reach.
- Continuously engaged with my customers to ensure satisfaction.

## EDUCATION

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### Technical University of Cluj-Napoca - Electronics and Communications Engineering

10/23 - 07/27 (exp.)

- Admitted with a GPA of 10.00 for my high school achievements.

### Lucian Blaga High School - Computer Science & Mathematics

09/19 - 06/23

- Won or achieved great results in a great deal of national olympiads and contests, see below.
- Taught a "Flutter for Beginners" course & mentored a team of high schoolers for the AstroPi contest.

## PROJECTS

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### Open Reports - Svelte, Mapbox, Firebase & Supabase, Netlify

- Web Platform to collect reports from anonymous users to build a database for Prisma.
- Built with Svelte and Mapbox, open source [here](#).
- Do you have an incident to report? Send us one: [reports.prisma-safety.com](https://reports.prisma-safety.com)

### Task Automation / Smart Dashboard - Svelte, OpenAI, Genezio

- Web Platform meant to help you with small tasks during your day. As an example - a Regex generator that uses GPT 3 to create an expression that matches your requirements.
- Won 1st Place during the Techsylvania Genezio Challenge. Open source [here](#).

### Event Ticketing System - Svelte, Supabase, Vercel, bwip, jimp

- Custom built access control solution for my high school's events, including a batch paper based ticket generator & an online validator Web App.
- Built with Node, Svelte and Supabase (DB & Functions), open source [here](#).

### Self Driving Car - Python, OpenCV, Arduino

- Model self driving car, using a 1:10 car chassis, that would drive by itself around a small course.
- Uses the Raspberry Pi 4 with a PiCamera v2, coupled with OpenCV to detect lanes and an Arduino Uno as a motor-controller and supervisor. Built with Python and C++, open source [here](#).

## AWARDS

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|--|-------------|
| - 2nd Place Nationals - Applied Informatics Olympiad                                   | May 2023    |
| - Part of the Innovation Labs & FIX Cluj cohorts ( <i>with Prisma Safety</i> )         | 2021 - 2022 |
| - Won the IT prize at the "10 for Cluj Gala" ( <i>Gala 10 Pentru Cluj</i> )            | Dec 2021    |
| - 1st Place (Juniors) - PoliHack 12 Hackathon ( <i>Modular smart farming system</i> )  | Dec 2021    |
| - 1st Place Nationals - Applied Informatics Olympiad                                   | May 2021    |
| - 1st Place (Juniors) - PoliHack 11 Hackathon ( <i>"Vision" system for the blind</i> ) | Dec 2020    |
| - Head of Promotion / Valedictorian ( <i>DPIT Academy</i> )                            | Oct 2020    |