







# DAVID PESCARIU

 [github.com/davidp-ro](https://github.com/davidp-ro)  [in davidpescariu](https://www.linkedin.com/in/davidpescariu)  [davidpescariu.com](https://davidpescariu.com)  
 Cluj-Napoca, Romania  +40 733 957 155  [hello@davidpescariu.com](mailto:hello@davidpescariu.com)

## ABOUT

---

Results-driven full-stack developer with 3+ years of experience in building dynamic, responsive and accessible web applications and scalable distributed backend systems for B2B SaaS products.

I am committed to creating innovative, pixel-perfect products where quality is the top priority. A collaborative team player with a continuous learning mindset, eager to constantly improve.

I have strong HTML and CSS skills, including experience with pre-processors like PostCSS, and frameworks like Tailwind. My preferred web framework is SvelteKit, and for backend work, I have worked with TypeScript, Python, and some Go, all deployed on GCP, but I always believe in choosing the right tool for the job.

## WORK EXPERIENCE

---

### Full Stack Software Engineer - SalesKick

*December 2023 - Present USA, Remote*

- At SalesKick, I develop scalable and stable distributed systems using TypeScript, aimed at boosting the amount of live calls closers have each day. I am also involved in crafting end-to-end features to enhance user experience using SvelteKit and Tailwind.
- I've leveraged contemporary AI techniques, including Sentiment Analysis to optimize calendar flows and drive an increase of **over 60%** in Lead Show Rate and Lead Quality, and Generative AI with RAG to create personalized, personal-feeling reminders, leading to an **additional 15%** in high-quality Leads.
- Implementing unit-testing using the Bun test runner (migrated from Jest); monitoring and performance measurement with Mixpanel and Sentry; data visualizations with Chart.js.
- In addition to my technical responsibilities, I play a pivotal role in onboarding new engineers, and alongside senior engineers, we've established a robust knowledge base.

### Full-Stack Developer & Consultant - Freelancing

*March 2023 - November 2023 Romania, Remote*

- Built highly modular microservices designed to scale & handle intense bursts of traffic.
- Solutions I created helped businesses increase their revenue by **over 40%**
- 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 Romania, 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

*May 2020 - March 2021 Romania, 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

---

**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.

- 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

---

### Smart Home System - Energy Management, Access Control, AI Helper

Our team built a fully integrated smart home system, consisting of:

- Access Control - ANPR using OpenCV and pytesseract for car access as well as RFIDs for pedestrian access + Guest access via QR Codes for access and device control;
- Device Automatization - Control the blinds, lights, etc., to maintain as much natural light at all times;
- Energy Management & Monitoring - Power, provided by solar panels, and the consumption were logged to see the production/consumption rate.

We won 2nd Place, competing with teams from the UK, China, Ukraine and Romania.

### 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

---

- |                                                                                        |             |
|----------------------------------------------------------------------------------------|-------------|
| - 2nd Place - The 29th International Computers Contest for Students HARD & SOFT        | May 2024    |
| - 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    |