




# SZASZ FRANCISC

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## PROFESSIONAL SUMMARY

Detail-oriented Frontend Developer with a solid academic background and over two years of hands-on experience in building scalable, maintainable, and responsive web applications. Specialized in React and Angular, with additional backend knowledge in Node.js, Flask, and MongoDB.

Mentored by a Senior IBM Engineer, I approach development with clean code practices, performance optimization strategies, and a passion for intuitive user experiences. Eager to contribute to collaborative teams and deliver enterprise-grade frontend solutions in agile environments

## TECHNICAL SKILLS

Frontend	Backend	Cloud & DevOps	Libraries
<ul style="list-style-type: none"><li>HTML5</li><li>CSS3</li><li>JavaScript</li><li>React.js</li><li>Material UI</li><li>Angular</li><li>Angular Material</li><li>TypeScript</li><li>Bootstrap</li><li>GSAP</li></ul>	<ul style="list-style-type: none"><li>Node.js</li><li>Express.js</li><li>Flask</li><li>REST APIs</li><li>WebSockets</li><li>MongoDB</li><li>Firebase</li><li>JWT</li><li>Python</li></ul>	<ul style="list-style-type: none"><li>Google Cloud</li><li>Firebase</li><li>Render web services</li></ul>	<ul style="list-style-type: none"><li>UploadCare</li><li>Auth0</li><li>Figma</li><li>LocalStorage</li><li>Postman</li></ul>

## PROFESSIONAL EXPERIENCE

System Engineer - Colegiul National Andrei Saguna, Brasov (December 2022 – Present)
<ul style="list-style-type: none"><li>Led the full development and maintenance of the school's official web platform.</li><li>Designed and deployed scalable IT systems tailored to education and administrative needs.</li><li>Conducted root-cause analyses and resolved mission-critical infrastructure issues.</li><li>Implemented proactive cybersecurity and backup protocols.</li><li>Facilitated digital transformation through cross-functional collaboration.</li></ul>

## Web Developer Intern - Nagarro, Brasov (November 2022 - May 2023)

- Developed a Instagram-style social platform using React, focusing on UI responsiveness and component reusability.
- Worked collaboratively in Agile sprints with Git-based version control and peer reviews.
- Applied best practices in state management, CSS frameworks, and client-side routing.

## Web Developer Trainee - Digital Nation (July 2022 – December 2022)

- Completed a project-based program focused on modern frontend development.
- Built a responsive movie information app using vanilla JavaScript, REST APIs, and structured layout principles.
- Gained exposure to asynchronous programming and debugging technique.

# PROJECT EXPERIENCE

## Velto - E-commerce App

[Live App](#) | [GitHub Repo](#)

Velto is an online electronics store built with Angular and Angular Material, following a custom Figma design. The backend is powered by a Flask REST API, containerized with Docker, and deployed via Google Cloud Run.

Angular, Flask, MongoDB, Firebase, JWT, Google Cloud Run

- A full-stack online store application built for scalability and user engagement.
- User authentication via JWT and secure session management.
- Product filtering by category, price, and name with real-time feedback.
- Persistent shopping cart, wishlist, and user order history.
- Admin panel for product management and backend integration via Flask REST API.

## SokChat - React Chat App

[Live App](#) | [GitHub Repo](#)

SokChat is a full-stack, real-time chat application designed with responsiveness and scalability in mind. Built with **React** and **WebSockets** backend server, it ensures perfect live communication and instant message delivery. The app supports JWT-based authentication, maintains persistent chat history in MongoDB, and includes a real-time notification system, all optimized for both desktop and mobile use.

React, Node.js, Express, MongoDB, WebSockets, JWT

- A responsive chat application supporting real-time communication.
- Real-time messaging using WebSockets with instant delivery.
- User authentication with session control and token-based access.

- Persistent chat history stored in MongoDB.
- Notification system for new messages.
- Optimized for both mobile and desktop interfaces.

## Carly - Vehicle Registration Management System

[Live App](#) | [GitHub Repo](#)

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An admin-facing single-page application that simplifies vehicle registration for Romanian citizens, saving time, money, and effort through a modern digital workflow. Built with Angular, powered by MongoDB and utilising a **cloud-native serverless architecture** approach, carly helps people save time and avoid bureaucracy.

Angular, MongoDB, Auth0, UploadCare, Firebase Hosting, EmailJS, Stripe

- Admin-facing SPA for securely managing vehicle registrations.
- Auth0-powered login with role-based access (admin/user).
- Vehicle record submission with document uploads using UploadCare.
- Table filtering, search, and pagination for large data sets.
- Persistent data layer using MongoDB and deployed via Firebase.

## REST Countries API Explorer

[Live App](#) | [GitHub Repo](#)

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A responsive web app that consumes a public REST Countries API to deliver an interactive exploration experience. It features a dark/light functionality that allows users to switch between a dark or light theme, in order to have the best possible user experience. Filtering functionality allows users to search for any country and obtain specific data.

HTML, CSS, JavaScript

- Interactive frontend project consuming a public countries API.
- Country search, filtering by region, and border-country linking.
- Detailed country views including population, flags, and currencies.
- Light/dark mode toggle with local storage preferences.

## Job Listings with Filtering

[Live App](#) | [GitHub Repo](#)

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Responsive and accessible job board web application built using HTML, CSS, and vanilla JavaScript. It allows users to dynamically filter job postings based on associated skill tags, such as React, Python, etc.

HTML, CSS, JavaScript

- Responsive and accessible job board with tag-based filtering.
- Dynamic filtering logic based on skill tags.

- Clean layout and accesible keyboard navigation.
- Optimised for performance and mobile responsiveness.

## Sunnyside Agency Landing Page

[Live App](#) | [GitHub Repo](#)

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Visually striking responsive landing page, designed for modern marketing or creative agency. It was developed with pixel-perfect approach, maintaining visual consistency, spacing and typography, css grid and flexbox to ensure responsiveness across large dekstop screens to mobile phones and tablets. Clean and minimal codebase approach with lazy-loaded assets, compressed images and semnatic HTML for faster page loads and better SEO.

- A visually striking agency landing page for marketing use.
- Pixel-perfect conversion of a Figma design.
- Animated navigation menu for mobile and desktop.
- Fully responsive grid layout with modern visuals.

## EDUCATION

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### Transilvania University – Brasov (2022 - 2024)

- *Master's Degree in Internet Technologies*

### Transilvania University – Brasov (2018 - 2022)

- *Bachelor's Degree in Electrical Engineering and Computer Science*

## LANGUAGES

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- English - Full Professional Proficiency
- Hungarian - Native
- Romanian - Native

## PERSONAL INTERESTS

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- Musical performance – Piano, guitar, ukulele, flute
- Automotive customization – Paint design, exhaust tuning and interior mods
- Electronics design – Custom-built audio amplifiers and power units