




# SZASZ FRANCISC

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## PROFESSIONAL SUMMARY

Detail-oriented Full-stack ready 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)

- Led the full development and maintenance of the school's official web platform.
- Designed and deployed scalable IT systems tailored to education and administrative needs.
- Conducted root-cause analyses and resolved mission-critical infrastructure issues.
- Implemented proactive cybersecurity and backup protocols.
- Facilitated digital transformation through cross-functional collaboration.

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

- Developed an 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 techniques.

# 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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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.

- 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