

FLAVIU HOSSU

Web Developer

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Cluj-Napoca, Romania



EDUCATION

B.Eng. Automation

Technical University of Cluj-Napoca

2016 - 2020 Cluj-Napoca, Romania

- Software Engineering, Data Structures and Algorithms, OOP Fundamentals, Databases, Control Engineering, Systems Theory

EXPERIENCE

Mid Fullstack Web Developer

Nanolabs Electronics SRL

12/2021 - Ongoing Cluj-Napoca, Romania

Rapid prototyping R&D company that delivers custom software, embedded and hardware solutions for clients that want to develop a product

- Learned to work in Agile environment
- Worked in a mixed team of embedded and web developers and managed to mitigate flawlessly any code integration issues
- Developed two large projects, both of them starting from the early phase
- Met all the imposed deadlines
- Managed to help bring the projects out of MVP phase
- Learned to shift my mindset from task thinking to system thinking
- Proactively helped the team to design better and scalable business logic and testing
- Used Atlassian tools to create, estimate, time-track and document tasks
- Code review and refactoring

Industrial Automation Engineer

Centra Plus Prod SRL

08/2020 - 10/2021 Cluj-Napoca, Romania

Industrial automation company that delivers hardware and software solutions for industrial processes in food and beverage industry

- Developed a strong work ethic
- Learned to work in an engineering team
- Sharpened my communication skills
- Worked with automation software programming languages
- Designed human-machine-interfaces

SKILLS

Javascript	Typescript	Functional programming	OOP	GIT
APIs	Async/Await	Closures	HOFs	Maps and Sets
ReactJS	Redux	Redux Toolkit + RTK Queries	Context API	
CesiumJS	RechartsJS	Formik	React Test Library	Jest
NPM	Webpack			
Styled Components	SASS	Modular SCSS		
NodeJS	ExpressJS	Files handling	JWT	OAuth
MongoDB	Mongoose			

SUMMARY

I tend to adopt a holistic approach in all the activities that I undertake. Both technical and creative endeavors spark my curiosity. I consider myself an ambitious and creative person, committed to lifelong learning and continous personal and professional development.

PROJECTS

Relevant Project 1:

- Full-stack project with **MERN** architecture
- Used **REST**, **WS** and **TCP** connections protocols
- Worked with **multipart requests** for serving and storing files
- Used **middlewares** for data validation and error logging
- The application's user system is permission based. There are multiple user types, each with different permissions
- Front-end uses a powerful map "niche" library (**CesiumJS**) to display relevant data, zones and shapes on Earth
- Context API** was used for global state management
- Styling was created from scratch (using **React Styled Components**)
- Created forms using **Formik** with custom data validation
- Implemented Google and Microsoft **OAuth** login systems and custom **JWT**
- Most of the code architecture is **service-based**
- Unit tests with **React-Testing-Library** and **Jest**

Relevant Project 2:

- Front-end only with **React 18 w/ Typescript**
- React Redux** with **RTK Toolkit** & **RTK-query** (using cache-invalidation system and manual cache control for requests data)
- Created complex and responsive data charts using **RechartsJS** library
- Used normal and **modular SCSS** in conjunction with a minimal SCSS library (SprectreCSS, classes only)
- 100% responsive**
- Proactively worked with designer team and API team (tools used: **Figma** and **Swagger**)
- Implemented a login system using **Keycloak**
- Most of the code architecture is **service-based**
- Always open for refactoring and make the whole structure more **reusable**

HOBBIES



Playing guitar, singing and producing electronic music



GYM rat



Cycling



Hiking