

TEO-ANTONIO ECONOMU

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SUMMARY

Full-Stack Developer with a strong passion for web technologies, **highly skilled in Javascript and React**. An **analytically minded individual** with a passion for sports and competition, **driven by curiosity**. **Highly adaptive and autodidact** with the **ability to learn new technologies quickly in a fast-paced environment** in order to **fit the team's tech stack and work independently**.

EXPERIENCE

Front-End Developer

Volunteer | Bucharest

February 2024 – April 2024

I contributed to the development of the **front-end interface** of a website tailored to offer lawyer-related services.

Tasks and responsibilities:

- I played a role in ensuring the **responsiveness of interfaces** across **mobile and desktop platforms**.

Improvements:

- My knowledge of **HTML, SCSS, Bootstrap**, and **JavaScript** has greatly increased as a result of **mentoring from a senior developer** who has helped me better grasp **the concepts and guidelines of responsive web design principles**. I also participated in **code review sessions** in order to **improve my code quality and readability**.
- I quickly acquired skills in **Figma** to effectively translate the **UI / UX designer's layout into code**.

Key achievements:

- Implemented **responsive design principles**, ensuring **seamless quality, and responsiveness of the web application**.

SKILLS & LANGUAGES

- Programming Languages: **Javascript**, Java, C/C++
- Front-End: **HTML, CSS, SCSS, React, Bootstrap, React-Bootstrap, Redux**
- Back-End: **Node.js, Express, MongoDB**
- Others: **Git, Figma, Postman, Thunder Client**
- Languages: **Romanian (Native), English (Professional)**

PROJECTS

Jobify Job Applications Tracking Platform

- Created a **large-scale React job tracking platform** using **MERN stack (MongoDB, Express.js, React, Node.js)**, and deployed it **on Render**. Tested all the features in the **development mode** and switched to **production mode** before rendering.

- Implemented **Thunder Client** for **extensive API testing**, ensuring **robust functionality** and **error handling**. Learnt how to **design, build and maintain a RESTFUL API**.
- Learnt how my **front-end application communicates with the server** and **how to set up a “proxy” in VITE** for seamless **full-stack integration**.
- Implemented **secure authentication** and **authorization** using **JWT** for **enhanced user data protection**. Employed **robust password hashing techniques** using **Bcrypt validation** for **user confidentiality**.
- **Designed** visually appealing **UI components** including **data visualization charts** and **interactive search/filter functionalities** using **Recharts Javascript Library**.
- Mastered the use of **Axios** for **API interactions** and utilized **React Query** for **efficient data fetching and caching** in **React applications**, enhancing **performance** and **user experience**.

Proshop eCommerce Platform

- I built a **full-stack CRUD application** with robust **user and administrative features**, smoothly integrating **payment options** through the **PayPal Developer API**. I then launched the application on **Render** to ensure it's always available online.
- I enhanced my expertise by integrating **React hooks** such as **useDispatch**, **useSelector**, **useContext**, and **use PayPalScriptReducer**. Prioritizing **efficient state management** to uphold **application predictability and maintainability**, I implemented the **Redux library**.
- I ensured **accessibility across desktop and mobile platforms** with **multiple view layouts**. Additionally, I honed my skills in crafting **responsive and adaptive applications** by leveraging **Bootstrap** and **React-Bootstrap**.
- Developed a **robust back-end** using **Node**, **Express**, **MongoDB**, and **Mongoose ODM**. Utilizing **MongoDB Compass**, I managed database interactions efficiently.

Vending Machine

- Created a **Vending Machine CRUD application** in **Javascript**, **CSS**, and **HTML** which simulates the behavior of a real one using the **Model, View, and Controller design pattern** for creating a **scalable and maintainable application**. This includes **handling user choices**, **updating the screen**, and **managing the inventory**.
- My project incorporates **responsive screen updates**, which means that the user interface **changes in real-time based on user interactions**. This enhances the **UX** and provides immediate feedback on the selected choices and the **vending machine's state**.

EDUCATION

FILS Electronics, Telecommunications, and Information Technology

October 2021 - Present

Bachelor in Electronics, Telecommunications and Information Technology | Politehnica University Bucharest

Mircea cel Bătrân National College

September 2017 - June 2021

Mathematics and Informatics | Mircea cel Bătrân National College Constanța

CERTIFICATIONS

Cambridge First Certificate (B2)

European Computer Driving Licence (ECDL)