

TEO-ANTONIO ECONOMU

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SUMMARY

Full-Stack Developer with a strong passion for web technology, **proficient in JavaScript and React**. Eager to **make a significant impact in my job** and join a team of enthusiastic developers who want to thrive in their careers. **Highly adaptive and autodidact** with the **ability to learn new technologies quickly in a fast-paced environment**.

EXPERIENCE

Front-End Developer

Volunteer | Bucharest, Romania

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** to **improve my code quality and readability** and learned how to write **clean, maintainable, and efficient code**.
- Learnt **how to collaborate with the UI / UX designer** to translate the **layout into code**.

Key achievements:

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

Front-End Developer

Internship | Farm Planner | Bucharest, Romania

10.06.2024 – 24.06.2024

For my little time there I contributed to the development of the **front-end interface** of an innovative **PWA App** focused on improving the efficiency and productivity of Romanian farmers by providing features such as task management and registration of farmers animals. The stack that I worked on is **React** and **Redux**.

Tasks and responsibilities:

- I played a role in ensuring the **responsiveness of interfaces** across **mobile and desktop platforms**. On my own, I implemented the **App Weather Feature** where I worked with **Open-Meteo API**.

Improvements:

- I **improved my communication with the back-end developer and the designer**. I also improved my skills on **Git version control system**.

Key achievements:

- I learned how to **create a professional pull request on GitHub**, work with **GitHub Actions**, work on **side branches** and how **the code review process** really works.

SKILLS & LANGUAGES

- Programming Languages: **JavaScript (ES6), Typescript, Java, C/C++**
- Front-End: **HTML, CSS, SCSS, React, Bootstrap, React-Bootstrap, Redux**
- Back-End: **Node.js, Python (Beginner), Express, MongoDB**
- Others: **Git, RESTful API, Docker, Figma, Create-React-App, Vite, Postman, Thunder Client**
- Languages: **Romanian (Native), English (Professional)**

PROJECTS

PoliConnect Social Media Platform (<https://policonnect.onrender.com>)

- Deployed **on Render** the first version of a **MERN-based social media platform** for Politehnica University students, **fully responsive on desktop, tablet and mobile**. It lets users share posts, events, and stories, providing an interactive social experience. Users can instantly explore it with a **24-hour demo user** via the "Explore the app" button.
- **Enhanced app efficiency by optimizing API calls and reducing load times**. Used **React DevTools** to **analyze and minimize re-renders**, applying **React optimization techniques** and **refining hooks**.
- Implemented **user login and registration functionality**, with **secure authentication, verification code system**, and **email-based account validation** with the help of **JWT** and **Cookies**.
- Built an **infinite scrolling feed** to dynamically load posts, events, and stories from followed users, sorted by recency for a **smooth, personalized experience**.

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**. Worked in the **development mode** and switched to **production mode**.
- 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**.
- I enhanced my expertise by integrating **React hooks** such as **useDispatch, useSelector, useContext**, and **usePayPalScriptReducer**. Prioritizing **efficient state management** to uphold **application predictability and maintainability**, I implemented the **Redux Toolkit**.
- 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**. Also, I used **React Router** to configure the routing for the pages in a clean and efficient manner.
- Developed a **robust back-end** using **Node, Express, MongoDB**, and **Mongoose ODM**.

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)