



Andrei Amariei

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 **Home:** Cluj-Napoca (Romania)

WORK EXPERIENCE

Software Engineer

AROBS TRANSILVANIA SOFTWARE SA [01/03/2023 – Current]

City: Cluj-Napoca | Country: Romania

Angular Frontend Engineer

- Currently being involved in projects focusing on **e-discovery, translations, and analytics**. Deliver new functionalities and maintain existing ones around pre-review analytics processing to one of the leading translations technology companies.
- Upgraded and maintained the **frontend** side of an application built on the **Angular framework**, ensuring improved **performance** and **maintainability**.
- Implemented the **OAuth2 authentication** flow leveraging an internal Identity Provider, enhancing security and user management.
- Designed and developed new **Angular components** in alignment with business and technical requirements.
- Developed and integrated **Cypress automation tests**, improving application stability and ensuring high-quality software delivery.
- Envolved into **Scrum Master** responsibilities, participating in **sprint planning, retrospectives, and task estimation**, while working closely with the **Jira Board**.

Software Engineer

Pentalog Romania [16/11/2021 – 16/02/2022]

City: Cluj-Napoca | Country: Romania

ReactJS Frontend Developer Intern

Participating in creating the **frontend** side for an web application where customers can rent appartaments.

DIGITAL SKILLS

Programming Languages

Java / Typescript / JavaScript

Backend Development

Spring Boot / REST APIs / OAuth2 / JWT Authentication / NodeJS / ExpressJS

Frontend Development

Angular / ReactJS / RxJS / Webpack / HTML / CSS / Sass / Bootstrap / Material UI

Database

PostgreSQL / SQL / MySQL / MongoDB

Testing & Quality Assurance

Cypress / Automated Testing / Regression Testing

Others

GIT / Design patterns / Algorithms / Data structures / OOP / Clean Code / Agile / Scrum

PROJECTS

[01/01/2025 – Current]

XParties.Tinder - Fullstack

Xparties.Tinder is a dynamic web application designed to facilitate social connections at exclusive events. Built with a **Spring Boot** backend, **PostgreSQL** databases and an **Angular** frontend, the platform allows users to authenticate, enroll in events, get matched with other attendees, and communicate seamlessly.

Area of skills: Spring Boot, Java 23, PostgreSQL, OAuth2.0, JWT token, SQL, Hibernate, JPA repository, Git, Angular, TypeScript, JavaScript, HTML, CSS, Spartan UI, Git, Npm, Docker.

- Developed using **Spring Boot 3.4.1** with **Java 23** for high performance and scalability.
- Implements **OAuth2 Authentication** with multiple providers (**Google, Facebook, GitHub**) to ensure the security of users credentials and is designed to support additional providers in the future.
- **JWT-based Authentication** after successful **OAuth2** login, leveraging **RSA encryption** for enhanced security.
- Utilizes **PostgreSQL** as the primary **database**, ensuring efficient data storage and retrieval.
- **Backend services** and the database are **deployed on** Render.com using a custom **domain** for seamless access.
- Built with **Angular** for a modern, responsive, and dynamic **user experience** and deployed on Vercel.com with a custom **domain**, ensuring global availability and **performance**.
- Utilizes a **reverse proxy configuration** to facilitate smooth communication with the **backend** since there are different **domains**.
- Plans to integrate **Apache Kafka** for real-time, event-driven messaging between users.
- Plans to integrate **WebSockets** for instant user interactions and real-time event updates.

Link: <https://github.com/amarieiandrei/Xparties.Tinder>

Kanban_Board - Fullstack

Area of skills: ReactJS, Javascript, HTML, CSS, Sass, Material UI, Git, NodeJS, ExpressJS, MongoDB, Npm.

This Project has the purpose of present an instrument meant to **task monitoring**. **Kanban board** was implemented with the **aim of develop new skills**. Please, take a look at **demo video** from **GitHub repository**.

Link: https://github.com/amarieiandrei/Kanban_Board

Hair_Salons - Fullstack

Area of skills: Angular, Typescript, HTML, CSS, Sass, NodeJS, ExpressJS, MongoDB, RxJS, Bootstrap, NGX-Bootstrap, JavaScript, Npm, Git.

This Project has the purpose of present an instrument meant to help hair salons with reservations. The web application was implemented with the **aim of improve my skills**.

Link: https://github.com/amarieiandrei/Hair_Salons

Digital_Reef - Frontend

Area of skills: Angular, Typescript, HTML, CSS, Sass, RxJS, Bootstrap, NGX-Bootstrap, Npm, AG Grid, Git.

Online digital analytical service meant to help customers to pre-review analytics. This application was an **individual task that Arobs company gave us to do in the internship**.

- Ensured the technical feasibility of **UI/UX** designs.
- **Developed** new user-facing features.

- I built **reusable code** for future use.
- I did assure that all user input is validated before submitting.
- Integrated **end to end testing** with **Cypress framework**.

Link: https://github.com/amarieiandrei/Internship-Arobs-Digital_Reef

EDUCATION AND TRAINING

Bachelor's Degree, Mathematics and Computer Science

Babeş-Bolyai University Faculty of Mathematics and Computer Science [01/10/2019 – 08/09/2022]

Address: Strada Mihail Kogălniceanu 1, 400347 Cluj-Napoca (Romania) | Website: <https://www.cs.ubbcluj.ro/>

A program designed to develop a deep understanding of fundamental **mathematical structures** and core **Computer Science** concepts, along with essential methodologies for **software system development** and maintenance.

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user