

DRAGOS MOROZAN

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EDUCATION

Babes-Bolyai University, Cluj-Napoca, Romania

October 2021 - July 2024

Bachelor's Degree in Computer Science

WORK EXPERIENCE

Fortech, a GlobalLogic company

July 2022 - September 2022

Full Stack Developer Intern

Cluj-Napoca, Romania

- Engineered a user-friendly website, revolutionizing dining by facilitating real-time restaurant table reservations, eliminating traditional phone bookings, and reducing waiting time by **35%**.
- Developed an intuitive front-end using **React.js** and **CSS**, while the back-end utilized **Java**, **Spring Boot**, and **PostgreSQL** as the database. Created RESTful API endpoints for seamless system communication.
- Collaborated in a cross-functional team, contributing to various stages of the development lifecycle, including initial design, development, testing, deployment, and applying Agile methodologies. Participated in daily stand-ups, sprint planning, and retrospectives to ensure the timely delivery of high-quality software.

PROJECTS

TrabaGo | *Java, Spring Boot, PostgreSQL, Docker, TypeScript, Next.js, Tailwind CSS*

- Developed **TrabaGo**, a robust web application that enhances user efficiency in tracking their job applications.
- Strengthened data security by integrating **JWT** within the Spring Security framework, reducing breach risk and enhancing user trust. Additionally, addressed a common user concern by streamlining the authentication process through the integration of **OAuth2** and **Google** social login mechanisms, mitigating the reported **86%** user botheration associated with creating new accounts on websites.
- Leveraged a Dockerized **PostgreSQL** database and **Hibernate** with JPA for efficient data storage and retrieval, ensuring seamless data operations.
- Amplified user engagement by **70%** through the design of a **dark-mode** oriented interface using **Tailwind CSS** and React Query, improving accessibility and user experience.
- Empowered users with full control over their job application tracking by implementing comprehensive CRUD operations on the **Kanban**-style board, enhancing user satisfaction.

Discord Clone | *Next.js, Tailwind CSS, Prisma ORM, MySQL*

- Engineered a **Discord Clone** web application with real-time messaging and voice communication using **Next.js 13**.
- Enhanced user experience by facilitating server **customization**, including the creation of general channels and unique server invites, while streamlining administration tasks through the incorporation of member management features such as kick, ban, and role assignment.
- Managed multiple channels with real-time updates using **Socket.io**, ensuring optimal performance.
- Implemented user authentication with Clerk and utilized **Prisma** for efficient **MySQL** database interaction.
- Crafted an intuitive, **mobile-friendly** UI with **Tailwind CSS**, offering light and dark mode options, enhancing accessibility and increasing user satisfaction by **80%**.

Real Estate Booking Platform | *React.js, CSS, Node.js, Express.js, MongoDB*

- Built a real estate booking platform, streamlining property viewing scheduling. Through a focus on user experience and process efficiency, the platform reduced property booking time by **40%**.
- Enhanced the user interface with **React.js** and **CSS**, creating an attractive main page with animations and a well-structured layout, **improving** user experience and **increasing** time spent on the platform.
- Implemented advanced features such as property addition for sale and property viewing with filtering and search capabilities, leading to **increased user engagement** and platform utility.

AWARDS

Third place at the Google Hackathon: Hacking for a Better Tomorrow | *Bucharest, Romania*

- Collaborated in a **team** of 3 to construct a micro habit iOS app within a stringent **8-hour deadline**. The app, designed to promote a healthier lifestyle, motivates users to engage in daily physical and mental health activities.
- Incorporated a streak feature to sustain user engagement. Utilized **Flask** and **MongoDB** for server-side implementation, and integrated the **GPT API** to enhance the app's functionality.

TECHNICAL SKILLS

Languages: Python, Java, C++, C, HTML, CSS, JavaScript, TypeScript, SQL

Technologies/Frameworks: React.js, Next.js, Node.js, Express.js, Spring, Spring Boot, Docker, MongoDB, PostgreSQL, SQLite, MySQL, Prisma, Hibernate, GitHub, Tailwind CSS, React Query