

# Szakacs Ferenc-Adam



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LinkedIn



GitHub



Personal website



## WORK EXPERIENCE

**Software Developer**, *Climarol Prest*

Jan 2024 – Oct 2024

- **Developed and Maintained Web Applications:** Developed and maintained high-performance web applications using React, JavaScript, TypeScript, HTML and CSS for the frontend and ASP.NET Core / Node.js for the backend, ensuring scalability and responsiveness across different devices and platforms.
- **Continuous Testing and Code Quality:** Implemented continuous testing to ensure robust, reliable, and high-quality code.
- **Agile Development & Team Collaboration:** Utilized Agile practices and contributed to sprint planning and retrospectives, enabling flexibility in meeting evolving project requirements, ensuring on-time feature delivery, and promoting a culture of transparency and continuous enhancement.

**Software Developer**, *DevNest*

Jan 2022 – Apr 2023

- **Dynamic Web Interfaces:** Designed and developed user interfaces that are both responsive and visually engaging, ensuring an optimal experience across devices of various screen sizes. Focused on creating intuitive, user-friendly layouts while maintaining performance and accessibility standards. Managed critical aspects such as user input validation to enhance data accuracy and integrity, and client-side routing to ensure smooth navigation between pages without full reloads.
- **Server-Side & API Development:** Developed robust and scalable server-side applications, responsible for managing server routes and efficiently handling data interactions between the user interface and the database. Implemented middleware pipelines to enhance request processing and response times, ensuring the system could handle high traffic volumes while maintaining reliability and performance.
- **API Integration:** Created and managed APIs that facilitated smooth communication between the front end and back end. Designed RESTful APIs that allowed different components of the system to interact effectively, ensuring data could be retrieved and updated in real-time.
- **Testing & Debugging:** Conducted comprehensive unit testing on both individual components and full system interactions to ensure the application was reliable and free from defects. Integrated continuous testing frameworks into the development process, allowing for quick identification of potential issues during development cycles.
- **Agile Methodologies & Sprint Participation:** Applied Agile methodologies while actively participating in sprint planning and retrospectives, ensuring adaptability to changing project requirements, timely feature delivery, and fostering transparency and continuous improvement.



## EDUCATION

**Master's Degree in Distributed Systems in the Internet,**

Jul 2023 – Jun 2025

*Universitatea din Oradea*

**Bachelor's Degree in Computer Science,**

Jul 2020 – Jun 2023

*Universitatea din Oradea*



## SKILLS

React

TypeScript

JavaScript

HTML

CSS

Tailwind CSS

Next.js

Node.js

Express

C#

ASP.NET

SQL

MongoDB

PostgreSQL

Jest

Postman

Jenkins

SonarQube

Git

GitHub

GitLab

Jira

Figma

## PERSONAL PROJECTS

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### Personal website

Developed a fully responsive personal portfolio website using React, Vite, and TypeScript, showcasing a comprehensive view of my professional skills and achievements.

### Boiler management app

Responsive app written with MERN stack that regulates the boiler temperature through the control panel of the house's thermostats.

### Football data viz app

App written in Python using NumPy, SciPy and Pandas that generates multiple graphs and tables visualizing advanced metrics of Premier League players.

## LANGUAGES

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### English

*Professional speaker*

### Romanian

*Native speaker*

### Hungarian

*Native speaker*

## SCIENTIFIC RESEARCH

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### Impact of AI on society, *Collegium Varadinum*

May 2024

I authored a scientific paper for Collegium Varadinum that meticulously examines the multifaceted effects of artificial intelligence (AI) on society. In this paper, I explored the myriad advantages of AI, such as enhanced efficiency, improved decision-making, and the potential for innovation across various sectors. Conversely, I also delved into the significant drawbacks, including high implementation costs, the risk of increasing unemployment, ethical dilemmas, and the lack of emotional intelligence in AI systems.

By presenting a balanced view of both the benefits and challenges associated with AI integration, I provided a thorough analysis and drew nuanced conclusions about the future implications of AI on societal structures and individual lives. My work was recognized for its depth and clarity, earning me an award for participation and a commendation for securing a high position in the academic evaluation. This recognition underscores the relevance and quality of my research, highlighting its contribution to ongoing discussions about the role of AI in modern society.

## CERTIFICATES

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- Cambridge CAE

- Teaching Module Diploma

- Collegium Varadinum SSC