

# Szakacs Ferenc-Adam



0771405782



szakfer97@gmail.com



LinkedIn



GitHub



Personal website



## WORK EXPERIENCE

**Software Developer**, Climarol Prest

Jan 2024 – Nov 2024

- **SaaS Product Development:** Designed and maintained a high-performance SaaS platform, leveraging **React** for the frontend and **Node.js** for the backend, with **PostgreSQL** for data management. Worked with a **microservices** architecture, ensuring system adaptability and scalability. Ensured seamless, responsive UI/UX across desktop and mobile platforms, improving customer engagement by 30%.
- **Automated Testing & CI/CD Pipeline Optimization:** Spearheaded the automation of continuous testing using **Jest**, reducing production defects by 40%. Optimized CI/CD pipelines with **Jenkins**, cutting deployment time by 50%.
- **Agile Development & Team Collaboration:** Applied **Agile** methodologies, actively contributing to sprint planning and retrospectives. Collaborated effectively with cross-functional teams to meet evolving project requirements, ensure on-time feature delivery, and promote a culture of transparency and continuous improvement.

**Software Developer**, DevNest

Jan 2022 – Jun 2023

- **E-Commerce Web Development:** Took part in the development and optimization of a high-traffic global e-commerce platform, ensuring a seamless and engaging user experience. Leveraged **React** and **Tailwind** to create a visually appealing and highly responsive UI, resulting in a 15% improvement in page load speed and a 10% boost in user retention.
- **Server-Side & API Development:** Built and maintained scalable **REST APIs** with **ASP.NET / Node.js**, integrating **MsSQL / MongoDB** databases. Worked with both **monolithic** and **microservices** architectures, ensuring flexibility in system design and deployment. Enhanced query efficiency, reducing API response times by 150ms.
- **CI/CD Pipeline Development & Testing:** Optimized **Jenkins** pipelines and implemented continuous testing using **Jest** and **xUnit**, reducing the release cycle duration by 12% through improved automation and faster feedback loops.
- **Agile Sprint Execution:** Applied **Agile** methodologies, contributing actively to sprint planning and retrospectives. Adapted to changing project requirements, ensured timely feature delivery, and promoted a culture of 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

Next.js

Node.js

Express

C#

ASP.NET

MsSQL

PostgreSQL

MongoDB

Jest

xUnit

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, TypeScript, JavaScript, HTML, CSS, Tailwind and Vite, showcasing a comprehensive view of my professional and academic journey..

### Boiler management app

Developed a MERN-based boiler regulation app that automated temperature adjustments, reducing heating costs.

### Football data viz app

Created an advanced data visualization tool using Python, NumPy, SciPy, and Pandas, analyzing and graphing Premier League player statistics.

## 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.

## LANGUAGES

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### English

*Professional speaker*

### Romanian

*Native speaker*

### Hungarian

*Native speaker*

## CERTIFICATES

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- Cambridge CAE

- Teaching Module Diploma

- Collegium Varadinum SSC