Szakacsi Ferenc-Adam

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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 responsive, visually engaging user interfaces using React, JavaScript, TypeScript, HTML and CSS. Managed user input validation, client-side routing, and optimized performance for both client and server, ensuring cross-browser compatibility and seamless user experience.
- **Server-Side & API Development:** Developed ASP.NET Core / Node.js server-side applications, efficiently managing APIs, server routes, and database interactions. Utilized ASP.NET Core and Node.js's middleware pipeline for building scalable and high-performance backend services.
- **API Integration:** Created and managed RESTful APIs, streamlining front-end and back-end communication.
- **Testing & Debugging:** Performed unit and integration testing to ensure application reliability across both front-end and back-end components.
- **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

PERSONAL PROJECTS

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.

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

LANGUAGES

English
Professional speaker

Romanian
Native speaker

Hungarian
Native speaker

SCIENTIFIC RESEARCH

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

- Cambridge CAE
- Teaching Module Diploma
- Collegium Varadinum SSC