Szakacsi Ferenc-Adam

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💼 WORK EXPERIENCE

Full Stack Web Developer, *Climarol Prest*   Jan 2024 – Jun 2024
- **Developed and Maintained Web Applications:** Proficiently developed and maintained company websites and applications using the MERN stack (MongoDB, Express.js, React, Node.js), ensuring high performance and scalability.
- **Continuous Testing and Code Quality:** Implemented continuous testing methodologies with Jest to ensure code reliability, robustness, and adherence to quality standards.
- **Effective Communication:** Demonstrated strong communication skills to facilitate seamless coordination and alignment among team members, enhancing overall project efficiency.
- **Agile Methodologies:** Embraced Agile methodologies to adapt to evolving project requirements, ensuring flexibility, responsiveness to change, and timely delivery of features.
- **Proactive Sprint Participation:** Contributed proactively to sprint planning, daily stand-up meetings, and retrospective sessions, fostering a culture of transparency and continuous improvement.
- **Cross-Functional Collaboration:** Worked closely with cross-functional team members to gather feedback, iterate on designs, and deliver high-quality solutions that meet user needs and business objectives, ensuring alignment with company goals.

Full Stack Software Developer, *DevNest*   Jan 2022 – Apr 2023
- **Front-End Development:** Developed user interfaces using HTML, CSS, and JavaScript, ensuring a visually appealing and responsive user experience.
- **Dynamic Web Interfaces:** Implemented client-side programming with React to create dynamic web interfaces, managing tasks such as user input validation and client-side routing.
- **Cross-Browser Compatibility:** Ensured cross-browser compatibility and responsive design, delivering a consistent user experience across various browsers and devices.
- **Server-Side Development:** Developed server-side applications using Node.js, managing APIs and server routes to handle front-end requests and interact with the database efficiently.
- **API Management:** Created and managed RESTful and GraphQL APIs, facilitating seamless interaction between the front end and back end.
- **Collaborative Projects:** Collaborated with cross-functional teams, including designers and project managers, to deliver successful web development projects, aligning technical solutions with business objectives.
- **Testing and Debugging:** Conducted unit testing and integration testing to identify and resolve issues in both front-end and back-end components, ensuring the robustness and reliability of applications.

🎓 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 portfolio 🔗
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.

📖 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.

🧠 SKILLS

Frontend Development
JavaScript, TypeScript, React
Angular, Vue, HTML, CSS

Design
Figma, Canva

Version Control
Git with GitHub/GitLab

Backend Development
NodeJS, Python

Unit Testing
Jest, Cypress

**Continuous integration /
Continuous deployment**
Jenkins, Azure, SonarQube

Styling
Tailwind, Sass, Bootstrap

Database Management
MongoDB, SQL

Working Agile
Jira

🌐 LANGUAGES

English
Professional speaker

Romanian
Native speaker

Hungarian
Native speaker

📋 CERTIFICATES

- Cambridge CAE
- SoloLearn React Certificate
- SoloLearn CSS Certificate
- SoloLearn Java Certificate

- Teaching Module Diploma
- SoloLearn JavaScript Certificate
- SoloLearn C# Certificate

- Collegium Varadinum SSC
- SoloLearn HTML Certificate
- SoloLearn Python Certificate