



Farkas Dániel

Software Developer



About Me

With nearly 20 years of programming experience, I am passionate about understanding the inner workings of technology. I am driven by the challenge of optimizing systems to harness their full potential, and I am fascinated by the contrast between advancing hardware and often underutilized software in today's industry.

Contact

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Education

2011-2014

University of Szeged,
Institute of Informatics
Computer Science

2007 - 2011

Kőrösy József Közgazdasági
Szakközépiskola
graduation certificate

Experience

CURRENT ROLE AT KIRÁLY FOGRÖNTGEN:

CBCT Operator and System Administrator at a dental imaging company, managing imaging systems, infrastructure, and network security. I have also contributed to various software projects that streamline operations and improve patient care. Details of these projects can be found on my personal website.

E-COMMERCE WEBSITE PROJECT:

Developing a ground-up e-commerce platform as a **full-stack developer**. Set to launch this year, this innovative solution is designed to deliver a seamless and user-friendly shopping experience.

PATIENT MANAGEMENT SYSTEM:

Created an online patient management system using a custom PHP MVCL framework, featuring functionalities such as appointment scheduling, invoicing, and image archiving. This solution provides a comprehensive tool for physicians and patients.

ORTHODONTIC TREATMENT PLANNING PROGRAM:

Developed a C-based orthodontic treatment tool that enables specialists to analyze X-rays and modify anatomical structures efficiently. This lightweight, standalone application requires no additional libraries or installation, making it easy to deploy and use.

3D GAME ENGINE:

Created a custom 3D game engine in C++ to gain a deeper understanding of graphics rendering and game development. This project involved implementing core functionalities, such as window management, text rendering, image loading, file compression, and complex scene rendering.

PROGRAMMING LANGUAGE AND COMPILER:

Designed and implemented a custom programming language along with its compiler, demonstrating expertise in language theory and compiler design.