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Division for Computational Radiology & Clinical AI
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Regensburg, 22.06.2025

Software Developer Application

Dear Hiring Team,

I'm genuinely excited to apply for the Software Engineer role at the Division for Computational Radiology & Clinical AI at the University Hospital Bonn. Your work on open-source tools like ADIT for secure medical image transfers and RADIS for smarter radiology report searches is impressive and inspiring. I'm eager to bring my coding skills to a team that's making such a meaningful impact in medical AI.

During my Master's at THD, I developed a wearable health monitoring device, focusing heavily on its web-based GUI. Using HTML, CSS, and JavaScript, I crafted an intuitive interface for real-time visualization of vital signs like temperature, SpO2, and heart rate, ensuring accessibility for non-technical users. This project sharpened my frontend development and user-centered design skills. As a side project, I created BrowserGameUI, a dynamic browser game interface using React (16.2.0). I designed interactive elements, including a navigation bar, stats cards, and a circular menu for actions like Start and Settings, with an engaging map that rotates via mouse movement. Leveraging React Router for seamless navigation and Styled Components for scalable styling, I built a maintainable application with Create React App, enhancing my ability to create engaging UIs. At Persystems, as a Junior C++ Developer, I designed the UI/UX for Virtual TestBench, a Qt-based simulation tool, ensuring seamless user interaction. At AVL, I developed C++ applications for automotive simulations, upgrading a co-simulation tool with enhanced data serialization.

Drawing from my Master's work where I built a web-based GUI for a health monitoring device using HTML, CSS, and JavaScript, and my side project BrowserGameUI with React, I'm ready to excel as a Software Engineer at CCIBonn.ai. My experience designing intuitive UI/UX for Virtual TestBench at Persystems, paired with backend development in C++ at AVL, equips me to contribute to tools like ADIT and RADIS, ensuring seamless user experiences and robust functionality. My proficiency in Python, Django, and Docker, honed through academic and professional projects, aligns with your need for web programming and scalable solutions. Additionally, my collaborative work with cross-functional teams at Persystems and AVL, combined with my Git and CI/CD expertise, prepares me to work effectively with researchers and clinicians, driving innovation in medical AI applications.

Among the many skills I have honed throughout my career, teamwork stands out as the most pivotal. My past experiences have emphasized the fundamental truth that sustainable solutions are often the result of collaborative efforts, rather than individual brilliance. I am eager to become part of the team and am committed to contributing my utmost from the very start, beginning immediately.

I would be greatly honoured to receive an invitation for an interview.

Yours sincerely,



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