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WITRON Logistik + Informatik GmbH
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Software Developer for Warehouse Management Systems Application

Respected Hiring Team,

I am thrilled to apply for the Software Developer for Warehouse Management Systems position at WITRON Logistik + Informatik GmbH, a company recently celebrated at LogiMAT 2025 for its innovative OPM system, revolutionizing automated case picking and warehouse productivity. Your leadership in advancing logistics through cutting-edge automation inspires me, and I am eager to contribute my software development expertise to support WITRON's mission of driving efficiency in warehouse solutions.

During my Master's program, focusing on AI, I primarily used Python and Ubuntu as my development environment to develop applications for AI-driven tasks. One notable project involved autonomous navigation of the Turtlebot3 in a selected area, incorporating object detection and avoidance, while also mapping the area and ensuring the robot could return to its origin. This project utilized ROS (Noetic) and Gazebo for virtual testing, with key ROS nodes developed in both C++ and Python. Additionally, I managed a CI/CD pipeline for software testing and validation against key performance indicators (KPIs). Data from these operations was efficiently stored, analyzed, and optimized using MySQL. Parallel to my academic pursuits, during nine months at AVL, I worked on the Adaptive AUTOSAR middleware (Service Oriented Architecture) and developing its applications in C++. These Adaptive Applications were deployed on a custom Real Time Linux Operating System using Yocto project. After this, I continued at AVL for my Master's thesis, where I was tasked with upgrading their legacy FMU Generation Utility (written in C++) from the FMI 2.0 to the FMI 3.0 standard, thereby enhancing the functionality of the existing tool for Co-simulation of automobile parts build in different systems like MATLAB, C++ etc. In my Thesis, I also leveraged Google Protocol Buffers through ASAM OSI for efficient data serialization, streamlining integration of sensor and environmental models in driving simulations, enhancing virtual testing capabilities. At Persystems, I was a Junior C++ Developer, where I developed Virtual TestBench, a Qt Desktop application for simulations of electrical components, leveraging Persystems' proprietary library. My responsibilities included designing the UI/UX in the Qt Creator IDE with C++ to ensure a seamless user experience. I have also implemented the application's logic by connecting UI widgets to custom slots, using Qt's signal-slot mechanism to manage data flow between the UI and the backend operations interfacing with Persystems' testbench library. Additionally, I have built a separate license check application for Virtual TestBench using Qt and C++.

Drawing from my Master's work where I developed AI-driven applications in Python and managed complex projects in C++ at AVL, alongside my current role at Persystems refining simulation software with Qt and C++, I am well-positioned to excel as a Software Developer for Warehouse Management Systems at WITRON Logistik + Informatik GmbH. My proficiency in C++ and SQL, honed through projects like the Turtlebot3 navigation system and Virtual TestBench, aligns seamlessly with your requirements for developing the next generation of WITRON's Warehouse Management Systems and browser-based mobile applications. My experience with real-time Linux systems using Yocto and tools like Git and JIRA equips me to contribute to agile development teams in Parkstein, ensuring robust and scalable software solutions. Additionally, my background in CI/CD pipelines and teamwork at Persystems prepares me to collaborate effectively with your product management and service teams, driving innovation and customer satisfaction in WITRON's logistics solutions.

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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