

# RENÉ FROEHLING

Freelancer for SAP EWM & MFS

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## **Solution Architect SAP EWM-MFS** | 08/24 – today | *Food Industry*

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As part of a comprehensive SAP EWM implementation, I was responsible for designing and implementing a highly automated material flow system tailored to the needs of a layout-driven warehouse.

- Designed and implemented a fully integrated material flow system during the EWM rollout
- Customized material flow control and layout-oriented storage control
- Developed and implemented custom routing logic for container conveyor technology
- Designed and programmed various BADIs within the MFS standard to meet complex automation requirements
- Developed functional modules to handle high-bay storage systems (RBGs) and conveyor equipment
- Conducted extensive testing using different simulation and real-case scenarios

## **Consultant SAP EWM-MFS** | 07/23 – 12/24 | *Retail Industry*

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In this long-term engagement, I supported a leading retail company in optimizing and extending their automated warehouse operations within SAP EWM-MFS.

- Designed and implemented new functional requirements within SAP EWM (MFS)
- Analyzed current warehouse processes and conceptualized enhancements through LOSC & POSC optimization
- Provided expert-level support to business departments in all MFS-related inquiries
- Troubleshoot and fine-tuned process sequences and exception handling routines
- Worked closely with the internal development team to coordinate custom solutions
- Acted as key interface for internal key users and cross-functional teams
- Led multiple internal workshops and meetings as MFS subject matter expert

## **Developer SAP Fiori** | 09/23 – 11/23 | *Material Industry*

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In this short-term but high-impact project, I contributed to the development of a custom SAP Fiori application, streamlining logistics operations and integrating quality checks in a complex SAP EWM landscape.

- Designed and developed a Fiori-based application for an existing warehouse management system in SAP EWM
- Developed interfaces to integrate third-party systems (e.g., external quality inspection platforms)
- Adapted and optimized existing SAP processes for maintenance and inspection flows
- Coordinated closely with business users to ensure usability and requirement fit

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## **Consultant SAP EWM-YL** | 03/23 – 07/23 | *Machinery Industry*

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In this hybrid development and consulting project, I played a key role in implementing a new SAP Yard Logistics (YL) system integrated with SAP EWM, focusing on frontend/backend development and international coordination.

- Analyzed and customized existing EWM processes to enable YL integration
- Designed and implemented new web and app-based features in both front- and backend environments
- Developed a new Yard Logistics system from scratch and integrated it into the existing EWM landscape
- Acted as main contact for the North American HQ and German plant locations
- Provided technical support and debugging assistance to the internal IT department

## **Developer SAP Fiori** | 01/23 – 10/23 | *Insurance Industry*

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In a digitalization project within the insurance sector, I enhanced a customer-specific incident management system, focusing on usability, integration, and service stability.

- Enhanced and optimized a customer-developed incident reporting system (CM) in oscare®
- Improved the SAP UI5-based frontend for better user experience and accessibility
- Customized interfaces and backend services to support business-critical workflows
- Delivered comprehensive documentation using Jira and Confluence for agile project tracking

## **Developer SAP EWM** | 09/22 – 12/22 | *Automotive Industry*

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During the go-live of a newly developed EWM system, I was part of the core development team ensuring stability, customization, and user-specific adaptations for RF dialogs.

- Provided hands-on development and support during the go-live of a custom-built SAP EWM implementation
- Handled customer-specific RfC and ticket requests during hypercare
- Designed and developed RF dialogs for goods receipt and stock placement
- Customized additional RF dialogs for shipping and warehouse outbound processes

## **Consultant SAP EWM-MFS | 01/22 – 09/22 | Pharmaceutical Industry**

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In a highly regulated environment, I designed and implemented advanced automation logic for SAP EWM-MFS, enabling seamless control of AGVs and layout-driven warehouse processes.

- Customized material flow control and layout-oriented storage control
- Designed and developed various BADIs within the MFS standard
- Created functional modules for AGV handling and interface logic
- Managed and configured system interfaces for smooth communication
- Conducted extensive testing using multiple simulation approaches
- Delivered on-site user training tailored to warehouse and IT staff

## **Consultant SAP EWM-MFS | 10/20 – 05/21 | Electrical Engineering Industry**

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As part of a full EWM automation rollout, I implemented complex material flow control, tailored to existing interfaces and local infrastructure.

- Implemented material flow control integrated with legacy systems at the site
- Customized material flow logic and core EWM warehouse processes (LOLS & POLS)
- Designed and developed custom BADIs within the MFS framework
- Developed specialized modules to control conveyor systems and stacker cranes
- Supported the commissioning and stabilization of the overall system
- Acted as key interface for internal key users and cross-functional teams

## **Developer SAP EWM | 02/20 – 08/20 | Wood Industry**

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During an SAP EWM greenfield implementation, I supported the go-live phase and developed customer-specific logic across various warehouse scenarios.

- Supported development and go-live of a new SAP EWM solution
- Resolved custom logic issues related to LOLS & POLS
- Implemented strategies in storage type determination (e.g. AKL logic)
- Worked on both frontend and backend logic, including custom UI5 dialogs

## **Consultant SAP EWM-MFS | 11/18 – 02/20 | Construction Component Supplier**

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I played a central role in the SAP EWM-MFS greenfield implementation, focusing on advanced conveyor control, AGV integration, and the go-live phase of a complex automation setup.

- Supported development and go-live of a new SAP EWM-MFS solution
- Customized material flow control, warehouse processes, and LOLS & POLS logic
- Built functional modules for conveyor systems and automated guided vehicles
- Adapted label printing logic and RF dialogs for palletizing
- Designed and developed multiple BADIs within the MFS framework
- Created SAP jobs and developed Dynpro-based screens