

Laurens Deprost

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Visionary Developer & SAP Consultant

Summary

As an expert freelance technical and techno-functional SAP consultant, I analyze business- and functional requirements and turn them into a technical reality. I mainly work with ABAP, several JavaScript frameworks like SAPUI5, and SAP technologies like BTP, CDS and Gateway. Furthermore, I specialize within the SAP MM module and have project experience in multiple SAP modules. I am passionate about full-stack development. My experience includes custom developments in SAP S/4HANA and (mobile) web applications using SAP UI5. My vision for the future is to continue designing and building custom SAP solutions to grow as a consultant and solution architect.

Knowledge summary

| | |
|-------------------|--|
| Project roles | <ul style="list-style-type: none">✓ ABAP developer✓ Full stack development consultant✓ Trainer✓ Team lead✓ Materials Management consultant |
| Specialisation | <ul style="list-style-type: none">✓ ABAP OO, ABAP on HANA✓ SAP MM✓ SAP Gateway✓ UI5, Fiori |
| SAP knowledge | Fiori Launchpad, S/4HANA, SAP Fiori, SAP MM, SAP WM Development tools: ABAP Editor, SAP Web IDE, Business Application Studio, Eclipse, Visual Studio Code |
| Non-SAP knowledge | Programming languages: Javascript, Node.js, Android SDK, React, SQL Methodologies: Agile, SCRUM, Design thinking Industry practices: GMP, GAMP |

Languages

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|---------|---------------|
| Dutch | Mother tongue |
| English | Very Good |
| French | Good |

Education

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|-------------|---|
| 2021 – 2022 | Postgraduate ERP - SAP (Specialization: SAP MM – Materials Management) UCLL University of Applied Sciences |
| 2017 – 2017 | SAP Analyst-Developer VDAB / Cevora / Flexso (Heverlee) |

Certifications

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|------|--|
| 2022 | SAP Certified Associate - Design Thinking |
| 2021 | SAP Certified Development Associate - Programming in SAP S/4HANA |
| 2021 | SAP Certified Application Associate - Business Process Integration with S/4HANA 2020 |
| 2020 | SAP Certified Development Associate - SAP Cloud Platform |
| 2020 | Certified ScrumMaster (CSM) |
| 2019 | SAP Certified Development Associate - ABAP with SAP NetWeaver 7.50 |
| 2019 | SAP Certified Development Associate - SAP Fiori Application Developer |
| 2019 | SAP Certified Development Specialist - ABAP for SAP HANA 2.0 |
| 2019 | Digital Transformation |

Professional experience

Ajinomoto Omnicem – Support & SAP Release Management

04/2021 – Present

| | |
|--------------|--|
| Project role | SAP Developer, Support Specialist |
| Technologies | ABAP OO, S/4HANA 1809, SAP MM, WM, Fiori, UI5, CDS, IDocs, BAdI, Adobe Forms |

Ajinomoto's vision of digital transformation is being achieved in the area of operational processes in a GxP compliant environment. Leveraging the capabilities of SAP S/4HANA, SAP Fiori, and SAP Business Technology Platform.

Personal Responsibilities & Achievements

- ✓ Technical analysis, estimations and development of multiple projects and system support
- ✓ Analysis of business processes and requirements within SAP MM (IM, WM)
- ✓ Solution architecture of solutions touching the SAP systems
- ✓ Handle support & feature requests for backend reports and Fiori applications
- ✓ Development of new gateway services, back-end functionality, and Fiori apps in object-oriented ABAP and SAPUI5

Ajinomoto Omnicem – Calibration app

01/2022 – Present

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|--------------|---|
| Project role | Technical project lead, Full-stack developer |
| Technologies | Plant Maintenance, ABAP OO, Fiori Elements, CDS, UI5, BOPF, Fiori, S/4HANA 1809 |

In order to realize their digital transformation plans, Ajinomoto also wants their specialists in the field to be able to work completely paperless, efficiently and connected. The calibration app provides a flexible solution for all their calibration-related needs.

Personal Responsibilities & Achievements

- ✓ Technical project coordination: custom mobile/tablet application using Fiori Elements
- ✓ Backend- and front-end development (ABAP OO, SAPUI5/Fiori Elements, BOPF)
- ✓ Go-live and hypercare
- ✓ GMP-compliant documentation

Colruyt – Colibris, Support & SAP Service Center

12/2018 – 03/2021

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|--------------|---|
| Project role | Backend development consultant |
| Technologies | ABAP on HANA, ABAP OO, BAdI, CDS, iDoc, S/4HANA, SAP MM |

The Colibris program supported the strategic goals of Colruyt Financial Services by providing a next-gen finance platform with both reduced complexity and increased integration possibilities with other legacy systems. When Colruyt Group's IT department started switching to a service-oriented organization, Colruyt Group started an SAP Service Center to coordinate all activities related to its SAP landscape.

Personal Responsibilities & Achievements

- ✓ Technical analysis and advising on solution architecture based on functional requirements
- ✓ Development of interfaces between SAP- and other information systems
- ✓ Development of reports, enhancements and ABAP classes
- ✓ Upgrade project: upgrade multiple systems from S/4HANA 1610 to S/4HANA 1909
- ✓ Advising on solution architecture redesign based on evolving solutions landscape
- ✓ Tracing and optimizing performance issues in older components
- ✓ Assist in go-live and providing technical support after go-live of different projects
- ✓ Assist in roll-out of service oriented 'Service Center SAP' component within the company

VDAB - SAP Analyst-Programmer

01/2018 – 03/2021

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|--------------|---------|
| Project role | Teacher |
| Technologies | ABAP |

Partnering with Cevora, VDAB, and SAP Education, Flexso organizes a 3-month training program in SAP backend development. The training covers development in ABAP and an introduction to the most crucial SAP modules.

Personal Responsibilities & Achievements

- ✓ Teaching courses on SAP development concepts and ABAP programming
- ✓ Mentoring students concerning technical assignments and preparation of their thesis

Flexso - Fast Tracks

01/2018 – 03/2021

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|--------------|--|
| Project role | Project Coordinator, Teacher |
| Technologies | ABAP, Fiori, Fiori Elements, UI5, Web Technology |

Internal knowledge sharing is driven using specific focus groups, called "Fast Tracks". These focus groups organize knowledge sharing sessions, and training sessions.

Personal responsibilities & achievements

- ✓ from 2020: coordination of the Web Fast Track: focus group for all things related to web technologies
- ✓ Preparation of learning materials
- ✓ Preparing presentations and workshops on technical SAP topics (ABAP, UI5, Gateway)

Lotus Bakeries - Animal Feed Application

04/2020 - 04/2020

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|--------------|--|
| Project role | Technical Lead & Analysis |
| Technologies | ABAP OO, Fiori, Fiori Launchpad, UI5, SAP PP, SAP MM |

A custom Fiori application was built to allow for the full traceability needed for animal feed, a by-product of some of Lotus' pastries, on container level.

Personal responsibilities & achievements

- ✓ Development of a custom Fiori Launchpad application in SAP UI5
- ✓ Development of the underlying gateway service and back-end functionality in object-oriented ABAP

Lotus Bakeries - Transport Applications

01/2020 - 03/2020

| | |
|--------------|--|
| Project role | Technical lead |
| Technologies | ABAP OO, Fiori, S/4HANA, UI5, SAP MM, SAP PP |

Request and change transports to their shipment partners in a simple, structured matter. While standard SAP shipments are used for customer transports, custom Fiori transport apps are developed for managing internal transports:

Personal responsibilities & achievements

- ✓ An application for creating transport requests, Technical Analysis, Custom Fiori Launchpad App Development
- ✓ An application for auditing, changing or canceling existing transport requests
- ✓ Development of the underlying gateway services and back-end functionality in object-oriented ABAP

Hogeschool Gent - Business Software

10/2018 - 10/2019

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|--------------|----------------------------------|
| Project role | Teacher |
| Technologies | ABAP, ABAP Editor, SAP NetWeaver |

University College Ghent/Hogeschool Gent has chosen Flexso as their "partner of choice" for training the IT specialists of tomorrow. Students opting to specialize in business IT dive into all things SAP in the course 'Business Software'. Flexso takes care of lessons, hands-on exercises and assignments providing the students with unique insights on technical SAP development.

Personal Responsibilities & Achievements

- ✓ Teach students on SAP basics and technical SAP development (ABAP, ABAP Dictionary, ABAP Workbench)

Lotus Bakeries - Waste Management

04/2019 - 07/2019

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|--------------|--|
| Project role | Full stack developer |
| Technologies | ABAP OO, Gateway, SAP Web IDE, UI5, SAP PP |

During the production process, the customer has to manage the waste in order to analyze how they can optimize production flow. Before, this was done using excel. Lotus Bakeries now wants to improve this by building a custom SAPUI5 application, and further integrate the data into their SAP system, more specific the PP module.

Personal responsibilities & achievements

- ✓ Development of custom Fiori Launchpad applications in SAP UI5
- ✓ Development of gateway service and back-end functionality
- ✓ Customization of standard Fiori theme to better adhere to the customer's corporate identity

| | |
|--------------|---|
| Project role | Backend development consultant |
| Technologies | ABAP on HANA, ABAP OO, S/4HANA 1809, SAP MM |

Ajinomoto OmniChem is a leading and global producer of active ingredients for the pharmaceutical industry. As a long time, user of SAP ERP software, Ajinomoto wants to be ready for future challenges and therefore decided to convert their SAP ECC solution towards S/4HANA 1809. The project consisted in a full conversion covering a large scope of modules from Finance and controlling, sales, procurement, production and warehousing.

Personal responsibilities & achievements

- ✓ Assist in technical system conversion
- ✓ Conversion of custom ABAP code for HANA & S/4HANA
- ✓ Technical analysis, setup and configuration of standard SAP Fiori applications

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|--------------|---|
| Project role | Full stack developer |
| Technologies | ABAP OO, Fiori, Gateway, SAP Cloud Platform, SAP MM, SAP WM, HUM, UI5 |

OmniChem has opted to implement the concept of handling units in SAP WM.

This implementation coupled with tailor-made barcode scanning applications for warehouse operators, updated SAP transactions, and brand-new reporting tools encompass the Start2Scan Project.

The results are more streamlined supply-chain processes, a transparent, traceable flow of resources and of course happy end users and customers.

Personal responsibilities & achievements

- ✓ Development of mobile barcode scanning applications in SAPUI5 for use in warehouses
- ✓ Configuration and development of SAP Gateway services
- ✓ Development of new tools and cockpits for warehouse operations and reporting
- ✓ Development of enhancements & updates of existing logic for handling unit usage
- ✓ Refactoring and proofing part of existing ABAP codebase to optimize performance on HANA database

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|--------------|--|
| Project role | Backend development consultant |
| Technologies | ABAP OO, SAP Document Management System, SAP MM, SAP SD, XSLT: XML Transformations |

The SmartSeat project's goal was to process the output of a new custom-built measuring device for wheelchair clients (the 'SmartSeat') in SAP, in order to optimize the end-to-end ordering process. The seat takes measurements and, after additional configuration of chosen custom options, results in an XML file containing order data (components, vendors, links to the relevant attachments etc). Flexso took care of all SAP logic for this project: transforming the XML data and adding the required components to SAP (Sales - and Purchase Order, uploading attachments to SAP DMS).

Personal responsibilities & achievements

- ✓ Validation, parsing & storing of device data in SAP
- ✓ Uploading of valid attachments to SAP DMS
- ✓ Emailing purchase orders with attachments to vendors
- ✓ Development of cockpit for uploading data, order follow-up and master data management