MUSTAFA YILMAZ

SAP Certified – ABAP & Extended Warehouse Management (S/4HANA) | EWM ABAP Specialist

Object-Oriented ABAP · ABAP Unit Testing · SAP HANA (CDS / AMDP) · Clean Core & Code Quality

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PROFESSIONAL SUMMARY

Senior SAP EWM ABAP Consultant with **13+ years of hands-on SAP development experience** since 2013 and a dedicated focus on **SAP S/4HANA Extended Warehouse Management** since 2022. SAP Certified in both ABAP (Development Associate) and EWM with SAP S/4HANA (Application Associate). Co-Founder of DebuggerTR Consulting, delivering EWM projects through partnerships with **Capgemini** and, previously, **Westernacher**, with a portfolio of 30+ enterprises including Asahi Beverages, Infineon, Boston Scientific, Wärtsilä, Essity, Siemens, Swarovski, Unilever and Mercedes-Benz.

Core strength is end-to-end EWM development: **MFS and warehouse automation integration**, RF Framework, Warehouse Monitor, PPF/output and Adobe Forms, plus integration with TM, MES and external systems via IDoc, RFC/BAPI and OData. Works exclusively in Object-Oriented ABAP with ABAP Unit and test doubles, applies SAP HANA code pushdown through CDS Views and AMDP, and delivers **ATC-clean, Clean Core-compliant code** with zero open Priority 1/2 findings at transport release, including in GxP-validated landscapes. Brings **5+ years of technical leadership** as Technical Lead, ABAP Quality Team Lead and Team Lead (ATC governance, SolMan ChaRM, dual-landscape retrofit, code review) and a proven track record of remote delivery across European, US and Australian time zones, including onsite go-live support.

CORE COMPETENCIES

- Object-Oriented ABAP (ABAP OO)
- ABAP Unit Test Development
- SAP HANA – CDS Views & AMDP
- EWM ABAP Development
- MFS / RF Framework
- ABAP Test Cockpit (ATC)
- Clean ABAP & Clean Core
- Code Review & Governance
- S/4HANA Migration
- Warehouse Monitor Enhancements
- SolMan ChaRM / Retrofit
- ABAP Quality Team Leading
- SAP Interface (IDoc/RFC/BAPI)
- SAP Adobe Forms
- Data Migration / ETL

TECHNICAL SKILLS

Languages & Core: Object-Oriented ABAP (ABAP OO), ABAP, ABAP Unit, OOP Design Patterns, ALV, Dynpro, BAdI / User-Exit / Enhancement Framework

SAP HANA: CDS Views, AMDP, Code Pushdown, Open SQL / ABAP SQL optimization, ADT (Eclipse), S/4HANA Conversion

EWM & Logistics: **SAP EWM, MFS, RF Framework, Warehouse Monitor Enhancements, PPF / Output Management, WM, TM**

Quality & Testing: ABAP Test Cockpit (ATC), Code Inspector (SCI), ABAP Unit Test Development, Test-Driven Development, Clean ABAP, Clean Core, Code Review

ALM & Governance: SAP Solution Manager (SolMan), ChaRM, Dual-Landscape Retrofit, CSOL, Transport Management (STMS)

Integration: IDoc, RFC/qRFC, BAPI, OData, Proxy, Web Services, SAP Adobe Forms, Smart Forms, ZUGFeRD e-Invoicing

PROFESSIONAL EXPERIENCE

Co-Founder / ABAP Consultant

DebuggerTR Consulting

May 2022 – Present | Riga, Latvia · Hybrid | Westernacher projects were delivered under a full-time consultancy model with dynamic parallel allocation; since November 2026, projects are delivered through the new Capgemini partnership

Projects *(click to view details):*

Capgemini Collaboration *(since November 2026)*

- Matrix @ Asahi Beverages – EWM ABAP Developer – Capgemini *[Nov 2026 – Present]*

▸ **Westernacher Collaboration** *(full-time consultancy model with dynamic parallel allocation)*

- TM_EWM Template & Wave 1 @ Infineon – WHM-WFI *[Oct 2025 – Jul 2026]*

- EWM Develop @ RS Group – EWM ABAP Developer – Westernacher *[Sep 2025 – Oct 2025]*
- EWM Magellan D3/D3A @ Boston Scientific – WFI – Westernacher *[Oct 2024 – Aug 2025]*
- AMS EWM CR / CI @ Wärtsilä – EWM ABAP Developer – Westernacher *[Nov 2023 – Aug 2025]*
- EWM RM-Essity-WFI – EWM ABAP Developer – Westernacher *[Nov 2023 – Sep 2025]*
- Essity Sweden_EWM FP MA Gien – Senior EWM ABAP Consultant *[Jan 2023 – Oct 2024]*
- EWM_2022 @ Kwizda (Remote) – Senior EWM ABAP Consultant *[Nov 2022 – Jan 2024]*
- Great Lakes Cheese (Remote) – Senior ABAP Consultant – EWM *[Jun 2023 – Oct 2023]*

Senior SAP ABAP Consultant
Walldorf Consulting AG
June 2022 – September 2023 | Riga, Latvia | Transitioned to part-time while establishing DebuggerTR, with Walldorf approval

Projects *(click to view details):*
- Siemens LDA – SAP Interface Development Lead *[June 2022 – September 2023]*

SAP Technical Lead / ABAP Quality Team Lead
Arvato Systems Latvia
January 2019 – June 2022 (3 yrs 6 months) | Riga, Latvia

Projects *(click to view details):*
- Multiple Projects (S/4HANA, SIMS, Lekarland, ZUGFeRD, ISU, Apollo) *[January 2019 – June 2022]*

SAP ABAP Team Lead
Accenture
February 2018 – January 2019 | Latvia

Projects *(click to view details):*
- D. Swarovski & Co. – AS Vendor Consolidation *[February 2018 – January 2019]*

ABAP Developer / Leader
Etkin Bilgi Sistemleri
January 2017 – December 2017 | İstanbul, Turkey

Projects *(click to view details):*
- Multi-client: Henkel, OTOKAR, Azmüsebat + 6 more *[January 2017 – December 2017]*

SAP ABAP Consultant
NTT DATA Business Solutions Turkey
May 2015 – November 2016 | Turkey

Projects *(click to view details):*
- Unilever – SAP ABAP Consultant *[May 2015 – November 2016]*
- Mercedes-Benz Finance Turkey – SAP ABAP Consultant *[2016]*

SAP ABAP Application Consultant
Arete Consulting
May 2013 – April 2015 | İstanbul, Turkey

Projects *(click to view details):*
- İGDAŞ SAP (ERP+IS-U) – WM, RF, DM & BI Developer *[May 2013 – April 2015]*
- GEDİZ – AYDEM – Data Migration *[2014]*
- SunExpress, CocaCola, Doğuş, Bayraktar, Şişecam, Mey, L'Oréal *[2013 – 2015]*

Database Manager
Turkish Basketball Federation
March 2012 – January 2013 | Turkey

EDUCATION

Bilecik University – B.Eng. Computer Engineering (2009–2013)
Udacity / Bertelsmann – AI Product Manager Nanodegree (2020–2021)
State College, Lomza, Poland – Computer Engineering Exchange (2011)
Maltepe Military High School – Military Technologies (2002–2006)

CERTIFICATIONS & LANGUAGES

Certifications:

- SAP Certified Application Associate – Extended Warehouse Management with SAP S/4HANA 2020
  SAP SE · May 2023
- SAP Certified Development Associate – ABAP with SAP NetWeaver 7.40
  SAP SE · November 2016 · Credential ID 0016400678
- Learning the Basics of ABAP Programming on SAP BTP – Record of Achievement (SAP, 2024)
- Google Project Management Certificate (Coursera, 2021)
- Cisco CCNA

Languages:

- Turkish – Native
- English – Professional Working
- Latvian – Elementary

MUSTAFA YILMAZ – PROJECT PORTFOLIO

Detailed project overview with SAP module coverage, code quality governance and Clean Core compliance. Westernacher project dates may overlap because assignments were delivered under one full-time consultancy engagement with dynamic parallel allocation. Since November 2026, DebuggerTR projects are delivered through a partnership with Capgemini. Labels such as WFI, FP and WHM are customer/project naming abbreviations, not SAP technology names.

[P01] Asahi Beverages

EWM ABAP Developer

@ DebuggerTR Consulting (via Capgemini)
November 2026 – Present | Remote · Melbourne, Australia

Modules: S/4HANA EWM · MFS · RF · ABAP OO · CDS

Matrix project — SAP S/4HANA EWM implementation for Asahi Beverages, delivered as a Capgemini project. EWM ABAP development covering Material Flow System (MFS) integration with warehouse automation (PLC communication, telegram processing, communication points and conveyor/automated-storage control logic), RF enhancements, process-specific BAdIs and custom ABAP for beverage warehouse and distribution processes. Delivered fully remotely from Riga for the Melbourne-based project team, bridging a 9–10 hour time-zone difference through planned overlap hours, structured asynchronous handovers and reliable delivery against Australian business-day deadlines.

Code Quality & Clean Core: Development follows SAP's Clean Core extensibility model — enhancements implemented only through released BAdIs, released APIs and released CDS views, with no modifications to SAP standard objects, so the EWM and MFS layer stays upgrade-stable. Every object is released only after a clean ABAP Test Cockpit (ATC) run against the project check variant, including Clean Core / cloud-readiness, performance and security checks; zero open Priority 1 and Priority 2 findings at transport release, plus mandatory peer code review. MFS telegram handling and custom warehouse logic are built in Object-Oriented ABAP with ABAP Unit test classes and test doubles, so automation scenarios can be regression-tested without a live PLC connection. Clean ABAP applied throughout — single-responsibility classes, descriptive naming, class-based exceptions and SAP HANA code pushdown via CDS Views for data-intensive selections.

[P02] Infineon

EWM ABAP Developer

@ DebuggerTR Consulting (via Westernacher)
October 2025 – July 2026 | Remote

Modules: TM · S/4HANA EWM · RF · Warehouse Monitor

Decentralised SAP S/4HANA EWM. TM_EWM Template & Wave 1 implementation covering TM/EWM template development, RF screens, Warehouse Monitor enhancements, process-specific BAdIs, forms/output and integration work.

Code Quality & Clean Core: All template objects released only after a clean ABAP Test Cockpit (ATC) run against the customer's global check variant; zero open Priority 1 and Priority 2 findings at transport release. Built entirely in Object-Oriented ABAP with ABAP Unit test classes covering the reusable template logic, so that each subsequent wave inherits an executable regression suite. Applied Clean ABAP principles throughout — single-responsibility methods, descriptive naming without cryptic abbreviations, and class-based exception handling instead of legacy SY-SUBRC chains, in line with SAP Clean Core extensibility guidance.

[P03] RS Group

EWM ABAP Developer

@ DebuggerTR Consulting (via Westernacher)
September 2025 – October 2025 | Remote

Modules: S/4HANA EWM · ABAP OO

Decentralised SAP S/4HANA EWM. EWM development project for RS Group's distribution operations. Custom warehouse process development, enhancements, and S/4HANA EWM integration.

Code Quality & Clean Core: Executed ATC checks with the S4HANA_READINESS and performance check variants on every transport; remediated all findings related to obsolete statements, SELECT * usage and missing index access before release. Refactored legacy procedural routines into Object-Oriented ABAP following Clean ABAP guidance — short methods, no global mutable state, and constants instead of magic numbers — with ABAP Unit tests written against the new classes to prove behaviour was preserved through the refactoring. Applied SAP HANA code pushdown by moving heavy selection logic into CDS Views and AMDP methods instead of ABAP-side loops. Enhancements implemented via released BAdIs to preserve upgrade stability under Clean Core.

[P04] Boston Scientific

EWM ABAP Developer

@ DebuggerTR Consulting (via Westernacher)
October 2024 – August 2025 | Remote

Modules: S/4HANA EWM · RF · Warehouse Monitor · D3/D3A · Forms/Output

Decentralised SAP S/4HANA EWM. EWM Magellan D3/D3A rollout for medical-device manufacturing and distribution. Hands-on RF development, Warehouse Monitor enhancements, process-specific BAdIs, forms/output and custom ABAP. For the automated packing area, developed SAP/EWM-side control logic to ensure the required product leaflet/prospectus was printed and its inclusion was confirmed as part of the packing flow before completion.

Code Quality & Clean Core: Operating in a validated (GxP-relevant) medical device landscape, every object passed a documented ATC review with evidence attached to the change record. Mandatory peer code review plus ATC sign-off before QA transport. ABAP Unit test classes written for reusable EWM logic and executed as repeatable evidence of correct behaviour — a decisive advantage in a validated environment where re-testing must be demonstrable. Clean ABAP applied with emphasis on readability and traceability: self-documenting method names, explicit typing, and dependency-injected classes isolated from the database so they can be tested with test doubles.

[P05] Wärtsilä

EWM ABAP Developer

@ DebuggerTR Consulting (via Westernacher)
November 2023 – August 2025 | Remote

Modules: S/4HANA EWM · MFS · AMS · CR/CI

Decentralised SAP S/4HANA EWM AMS / CR-CI assignment with a strong hands-on MFS focus. Developed the SAP EWM/MFS-side housekeeping solution that analysed next-day delivery demand, determined the stock required for morning operations, planned the necessary overnight warehouse movements and pre-positioned products into fast-pick bins. Also supported bug fixing, performance optimisation and enhancements around the live warehouse process.

Code Quality & Clean Core: Each CR/CI delivery gated by ATC checks; the AMS quality KPI required no new Priority 1/2 findings to be introduced by any change. Introduced ABAP Unit tests around recurring defect areas so that every fixed bug was locked in by a test — measurably reducing regression tickets in a support-driven engagement. Used ATC performance checks to drive the CI backlog, identifying nested SELECT statements and unbuffered table access, then refactoring them into set-based operations and CDS-based selections. Progressive Clean ABAP refactoring of touched code (boy-scout rule) reduced technical debt across the AMS scope.

[P06] Essity (RM-WFI)

EWM ABAP Developer

@ DebuggerTR Consulting (via Westernacher)
November 2023 – September 2025 | Remote

Modules: S/4HANA EWM · RF · Warehouse Monitor · ABAP OO

Decentralised SAP S/4HANA EWM. Raw Material warehouse process development covering inbound/outbound logistics, RF development, Warehouse Monitor enhancements, process-specific BAdIs and custom ABAP.

Code Quality & Clean Core: Time-critical material flow logic validated through ATC security and performance checks before every release, with particular attention to database access patterns in high-frequency warehouse processing. Clean ABAP applied via clear separation of concerns between communication, business logic and persistence layers, keeping each class focused on a single responsibility and testable in isolation.

[P07] Essity (Sweden / France)

Senior EWM ABAP Consultant

@ DebuggerTR Consulting (via Westernacher)
January 2023 – October 2024 | Remote + approximately 2 weeks onsite in Gien, France during go-live

Modules: S/4HANA EWM · RF · Warehouse Monitor · PPF · Adobe Forms

Decentralised SAP S/4HANA EWM multi-site implementation across Essity Sweden and Gien, France. Hands-on RF development, Warehouse Monitor enhancements, process-specific BAdIs, HU/warehouse forms and PPF/output management. Supported cutover and spent approximately two weeks onsite in Gien during go-live.

Code Quality & Clean Core: Established a shared ATC check variant across both country tracks so that Swedish and French developments were held to one consistent quality baseline. All objects released ATC-clean. Clean ABAP naming and modularization standards agreed with the customer up front, which kept the multi-site codebase readable and maintainable for the local support teams after handover.

[P08] Kwizda

Senior EWM ABAP Consultant

@ DebuggerTR Consulting (via Westernacher)
November 2022 – January 2024 | Remote

Modules: S/4HANA EWM · RF Framework · Warehouse Monitor · ABAP OO

Decentralised SAP S/4HANA EWM rollout. Hands-on RF Framework development, Warehouse Monitor enhancements, process-specific BAdIs and custom warehouse-process development.

Code Quality & Clean Core: ATC checks integrated into the rollout release routine — no transport moved to QA with open Priority 1/2 findings. RF framework enhancements built with Clean ABAP structure: small, intention-revealing methods, constants for screen and function codes rather than hard-coded literals, and consistent exception handling so warehouse operators receive meaningful error messages on the device.

[P09] Great Lakes Cheese

Senior ABAP Consultant

@ DebuggerTR Consulting (via Westernacher)
June 2023 – October 2023 | Remote

Modules: S/4HANA EWM · WM · MES Integration · JSON/XML · ABAP OO

Decentralised SAP S/4HANA EWM Wave 2 assignment for Great Lakes Cheese, delivered remotely with working-hour overlap for the US client. Built a two-way MES integration: processed and validated inbound JSON payloads from MES into SAP/EWM, and generated outbound XML files to agreed filesystem directories for MES consumption. Developed a custom monitoring/reporting screen, conceptually similar to /SCWM/MON, to track message status, processing results and errors. Also supported warehouse processes, goods-movement logic and related custom ABAP/EWM development.

Code Quality & Clean Core: Delivered changes through the project ATC quality gate, with ABAP Unit coverage for reusable logic and CDS-based reporting where appropriate. Focused on safe, maintainable changes during the June–October 2023 Wave 2 assignment, including goods-movement logic and warehouse reporting.

[P10] Siemens

SAP Interface Development Lead

@ Walldorf Consulting AG
June 2022 – September 2023 | Riga, Latvia | Part-time transition with Walldorf approval

Modules: SAP Interfaces · ABAP OO · IDoc · RFC/BAPI

LDA (Logistics Data Automation) project at Siemens. Led the SAP interface development team, designing and implementing interfaces between SAP and external systems using IDoc, RFC, BAPI and custom ABAP solutions. During the 2022–2023 transition, I completed the remaining Siemens/LDA responsibilities part-time with Walldorf Consulting AG's knowledge and approval while DebuggerTR Consulting was established, before moving fully to my own company.

Code Quality & Clean Core: As development lead, defined and enforced the team's ATC check variant and made an ATC-clean result a precondition for merge and transport release. Reviewed team members' findings and coached on remediation rather than exemption. Interface layer built in Object-Oriented ABAP to Clean ABAP standards — explicit interfaces, dependency injection, and structured error handling with full message logging. Introduced ABAP Unit tests with mocked RFC/IDoc endpoints so interface mappings could be verified without a connected partner system, which removed a major dependency from the test cycle.

[P11] Arvato Systems – Multiple Projects

SAP Technical Lead / ABAP Quality Team Lead

@ Arvato Systems Latvia
January 2019 – June 2022 | Riga, Latvia

Modules: S/4HANA · IS-U · ABAP OO · ZUGFeRD · Adobe Forms · SolMan ChaRM

Led QA and ABAP Development teams across multiple parallel projects: S/4HANA conversion, SIMS, Lekarland, ZUGFeRD (e-Invoicing to the German standard), IS-U (Industry Solution Utilities), and the Apollo project. Responsible for technical architecture, code reviews, team mentoring, and end-to-end quality governance across a dual-landscape environment.

Code Quality & Clean Core: Owned the central ATC governance model for the ABAP team — defined the global check variant, enabled ATC blocking mode in the development systems for Priority 1 and Priority 2 findings at transport task and request level, and acted as approver in the ATC exemption workflow. Exemptions required written justification and an expiry date and could not be self-approved by the requesting developer. Established Clean ABAP and Object-Oriented ABAP as the team-wide written standard, made ABAP Unit test coverage a review criterion for new development, and used CDS Views and AMDP for HANA-side processing during the S/4HANA conversion.

SolMan ChaRM, Retrofit & ABAP Quality Team Leadership:

- SAP Solution Manager (ChaRM): managed the full change control lifecycle — Requests for Change, Change Documents, and transport task/release handling through the ChaRM status schema, ensuring no transport bypassed the approved change path.
- Dual-landscape retrofit: operated a parallel maintenance and project (implementation) landscape and ran the retrofit process so maintenance changes were consistently carried into the S/4HANA project track without regression.
- Cross-System Object Lock (CSOL): used CSOL to detect and manage conflicting object changes across the two landscapes early, resolving collisions before they reached QA.
- Retrofit conflict resolution: handled automatic, semi-automatic (SAP Correction Workbench / BC-Set) and fully manual retrofit cases, with manual code merges for objects that could not be transferred automatically.
- ATC quality gate ownership: configured and maintained the check variants, scheduled periodic full-package ATC runs, and tracked finding trends as a team quality KPI rather than a one-off check.
- Code review process: ran structured peer reviews on every transport — reviewing ATC results, Clean ABAP conformance, performance-critical database access, security-relevant authority checks, and adherence to the agreed architecture.
- Exemption governance: assessed exemption requests as lead reviewer — approving, rejecting, or returning to the applicant for further justification, keeping the exemption backlog auditable.
- Custom code readiness for S/4HANA: applied the Simplification Database via the S4HANA_READINESS check variant to identify and remediate incompatible custom code ahead of the conversion.
- ABAP Unit adoption: introduced unit testing as a team standard — defined where test classes were mandatory, reviewed test quality alongside production code, and used test doubles to decouple tests from the database.
- Team enablement: onboarded and mentored ABAP developers on Object-Oriented ABAP, Clean ABAP, ABAP Unit, ATC usage, and the ChaRM/retrofit workflow, raising first-pass review success rates across the team.

[P12] D. Swarovski & Co.

SAP ABAP Team Lead

@ Accenture
February 2018 – January 2019 | Latvia

Modules: MM · ABAP OO · Vendor Management

AS Vendor Consolidation project for Swarovski. Led the ABAP development team for vendor master data consolidation, procurement process optimization, and supplier management automation.

Code Quality & Clean Core: Introduced Code Inspector / ATC checks as a mandatory step in the team's definition of done and reviewed results before every transport release. Given the high data volumes in vendor consolidation, the ATC performance check set was used specifically to catch inefficient database access ahead of go-live, and ABAP Unit tests were written around the consolidation and matching rules so that master-data logic could be verified against known cases before touching production data. Clean Code practices — clear naming, small focused methods in Object-Oriented ABAP, and elimination of duplicated logic — enforced through team code reviews.

[P13] Henkel, OTOKAR, Azmüsebat + 6 more

ABAP Developer / ABAP Leader

@ Etkin Bilgi Sistemleri
January 2017 – December 2017 | İstanbul, Turkey

Modules: SD · MM · FI/CO · PP · ABAP OO

Multi-client SAP development and support across 9 companies including Henkel, Duygu Engineering, Hürok Marble, OTOKAR, Azmüsebat, Emek Electric, Altunbilekler Marketing, Mustafa Nevzat, and Onur Marketing. New project design and ongoing support as ABAP Leader.

[P14] Unilever

SAP ABAP Consultant

@ NTT DATA Business Solutions Turkey
May 2015 – November 2016 | Turkey

Modules: SD · MM · FI/CO · ABAP OO

SAP ABAP development and consulting for Unilever's Turkey operations. Module-specific custom development, report creation, and enhancement implementations.

[P15] Mercedes-Benz Finance Turkey

SAP ABAP Consultant

@ NTT DATA Business Solutions Turkey
2016 | Turkey

Modules: FI/CO · ABAP OO · SAP Interfaces

SAP ABAP consulting for Mercedes-Benz Finance Turkey. Financial module development, reporting, and interface development for automotive finance operations.

[P16] İGDAŞ

SAP ABAP Application Consultant

@ Arete Consulting
May 2013 – April 2015 | İstanbul, Turkey

Modules: IS-U · ERP · WM · RF · DM · BI

SAP (ERP+IS-U) Implementation project. Development across WM (Warehouse Management), RF (Radio Frequency), DM (Device Management), and BI (Business Intelligence). Full lifecycle implementation for gas distribution utility.

[P17] GEDİZ – AYDEM

SAP ABAP Developer

@ Arete Consulting
2014 | İstanbul, Turkey

Modules: IS-U · Data Migration · ABAP OO

Data migration project for electricity distribution companies. Large-scale data extraction, transformation, and loading (ETL) processes using ABAP.

[P18] SunExpress, CocaCola, Doğuş İnşaat, Bayraktar, Şişecam, Mey İçki, L'Oréal

SAP ABAP Developer

@ Arete Consulting
2013 – 2015 | İstanbul, Turkey

Modules: SD · MM · FI/CO · PP · WM · ABAP OO

Cross-industry ABAP development for major brands spanning aviation (SunExpress), FMCG (CocaCola, L'Oréal, Mey İçki), construction (Doğuş İnşaat), manufacturing (Şişecam), and holding companies (Bayraktar).
