

Employee CV

MARTIN GRELLMANN

Senior ABAP Developer | Custom Code Refactoring | R/3 to S/4HANA | Clean Core

Location: Goiás, Brazil (America/Sao_Paulo, BRT, UTC-03:00, no DST)

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German citizen with unrestricted work and residence permit in Brazil.

Languages: German — Native

English — Professional working proficiency

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Professional Summary

Senior ABAP developer specialized in refactoring grown custom code: procedural reports, Dynpro applications and Z developments that have been extended for twenty years and are no longer safe to touch.

My approach is incremental. I read the existing code, reconstruct the business rules, agree them with the business, then rebuild the application in object-oriented ABAP with separated layers and modern ABAP SQL, in steps that can each go live on their own.

The result is code that is testable, upgrade-safe and documented, so the customer team can keep working with it after I leave.

Core Strengths

- Refactoring procedural ABAP and Dynpro applications into ABAP Objects with clear layer separation.
 - Migration of custom applications from SAP R/3 and Business Suite to S/4HANA.
 - Replacing obsolete statements and native SQL with modern ABAP SQL and CDS Views.
 - Reconstructing and documenting business rules that only exist in the code.
 - Clean Core: moving logic into the right extension layer and keeping the core upgrade-safe.
 - Working step by step in productive systems, without a big-bang rewrite.
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Professional Experience

Senior SAP Developer, intecsoft GmbH & Co. KG
Dresden, Germany

01/2025 to Present

Senior SAP development role focused on modernization, integration and software quality in S/4HANA projects.

- Refactored an undocumented SAP Business Suite Dynpro application in IS-U into object-oriented ABAP: reconstructed the business logic from the code, separated data access from presentation and made the application ready for S/4HANA.
- Rebuilt backend API interfaces in an S/4HANA project so that integration points became explicit and testable instead of hidden in report logic.
- Kept productive web services and API interfaces stable during hypercare in the FI environment.
- Documented the reconstructed behaviour so the customer team can maintain the code without me.

Technologies

ABAP Objects, ABAP SQL, CDS Views, OData, SAP BTP, REST, Fiori/UI5, S/4HANA, Clean Core.

**Technical Lead / IT Specialist, Ferienhausvermittlung fincaferien
Düsseldorf, Germany**

03/2025 to Present

Technical lead for the modernization of a heavily customized Drupal 7 multisite platform with undocumented custom modules.

- Refactored undocumented custom PHP modules and separated grown logic into maintainable units.
- Moved the platform to cloud infrastructure with separate development and production environments.
- Rebuilt the integration between business services and the CMS as documented REST APIs.
- Wrote the documentation that had never existed for the custom code base.

Technologies

Drupal 7, PHP, MySQL/MariaDB, REST APIs, Linux, Git, cloud infrastructure, documentation.

**SAP Technical Consultant, BA Business Advice GmbH
Oldenburg, Germany**

02/2022 to 12/2024

SAP consulting and development with a clear focus on migration, refactoring and object-oriented rework of grown custom code.

- Migrated and refactored FI and PM custom applications from SAP R/3 to S/4HANA, modernizing twenty-year-old code into object-oriented ABAP.
- Rewrote grown procedural Z code into classes with clear responsibilities and ABAP SQL instead of obsolete statements.
- Applied ABAP Clean Core principles so extensions stay upgrade-safe.
- Contributed to a data migration from a self-developed C++ ERP system to S/4HANA.
- Developed new custom Z applications in S/4HANA with object-oriented ABAP, CDS and OData.
- Delivered in the project areas PPDS, QM, LE and PM.

Technologies

ABAP, ABAP Objects, ABAP SQL, CDS Views, OData, SE80, ABAP Development Tools for Eclipse, S/4HANA, Clean Core, SAP MII.

**Software Developer and Linux Administrator, Sengicon GmbH
Leipzig, Germany**

02/2021 to 01/2022

Full-stack development with a focus on PHP code refactoring and the rebuild of a legacy web application.

- Rebuilt an outdated PHP web application into a PHP REST backend with a newly built React frontend.
- Refactored PHP backend code for intranet applications and reshaped database schemas.
- Refactored existing React frontend components.
- Wrote tests with PHPUnit and Jest to protect the refactoring.

Technologies

React, JavaScript, PHP, REST, PHPUnit, Jest, Linux, Apache, MySQL, MariaDB, PostgreSQL, Composer.

**Webmaster / Web Developer, Ferienhaus-Vermittlung fincaferien.de GmbH
Bockenem, Germany**

04/2004 to 12/2019

Long-term responsibility for web development, operations and technical infrastructure.

- Developed and maintained websites and web applications with PHP, Drupal 7, HTML and CSS.
- Customized and extended Drupal modules and introduced Git and Jira from 2015.
- Increased organic traffic through technical SEO, performance and usability work.
- Managed Linux, Samba and Windows network environments.

Technologies

PHP, Drupal 7, HTML, CSS, JavaScript, MySQL, Git, Jira, Linux, Samba, SEO/SEA.

Selected Projects

Migration of custom applications from R/3 to S/4HANA

04/2024 to 09/2024

- Refactored and migrated FI and PM custom applications to modern ABAP.
- Modernized applications that had grown over twenty years.

Bloom optimizer, custom ABAP application (PPDS)	05/2022 to 06/2024
- Developed a bloom optimizer for a steel mill that plans rolling processes by steel grade, loading location, minimum remaining ends and technical constraints. - Implemented in Eclipse and SE80 and integrated into PPDS.	
Data migration from a C++ ERP system to S/4HANA	03/2022 to 05/2022
Supported the migration of a self-developed ERP system to S/4HANA for a wire processing customer.	
S/4HANA Cloud expert team (Public Edition), BTP extensions	12/2023 to 09/2024
- Explored and introduced the development model of S/4HANA Cloud Public Edition in the team. - Built developer extensions in Eclipse with Fiori frontends, key user extensions and CAP applications on SAP BTP, in a SAP RISE context.	

Technical Skills

Refactoring	ABAP Objects, layer separation, dependency reduction, unit-testable design, removal of obsolete statements, modern ABAP SQL, code reviews, incremental rewrite strategies.
Migration	R/3 and Business Suite to S/4HANA, Dynpro to Fiori/UI5, custom code assessment and remediation, data migration support.
SAP backend	ABAP, ABAP SQL, CDS Views, OData v2/v4, RAP, BAdI and enhancement concepts, REST via SICF, ABAP Development Tools for Eclipse, SE80.
SAP frontend	SAP UI5 Freestyle, Fiori Elements, SAP MII, JavaScript, TypeScript, Jest.
Clean Core	Extension layer decisions, released API usage, upgrade-safe custom code, S/4HANA Cloud developer and key user extensibility, SAP BTP side-by-side.
Quality	Clean Code, SOLID, refactoring patterns, architecture documentation, Scrum (PSM I), Jira, OpenProject, Git.
Web	JavaScript, TypeScript, React, Node.js, PHP, REST APIs, PHPUnit, Jest.

Education and Training

Software Architect, Software Academy by intecsoft, Dresden, Germany	06/2025 to 06/2026
iSAQB CPSA-F Foundation Level training completed, exam planned for Q4/2026.	
Full-Stack Web Developer, Indiso GmbH, Leipzig, Germany	2020 to 2021
Full-Stack Web Developer certification (HTML, CSS, JavaScript, PHP, React, databases).	
Agile Project Management, Indiso GmbH, Leipzig, Germany	05/2020 to 06/2020
Professional Scrum Master I (PSM I), certified by Scrum.org in June 2020.	
Industrial Clerk, DAA GmbH, Hildesheim, Germany	2002 to 2004
Apprenticeship as Industrial Clerk (Industriekaufmann).	

Certificates and References

- Reference letter BA Business Advice GmbH (31.12.2024): SAP ABAP, MII, UI5 Freestyle, Fiori Elements, cloud expert team, ERP to S/4HANA migration, refactoring, ABAP Clean Core. Overall rating: very good.
- Reference letter Sengicon GmbH (21.12.2021): PHP backend development and refactoring, React frontend, database modelling, Linux administration. Overall rating: very good.
- Reference letter fincaferien.de GmbH (31.12.2019): web development, Drupal 7, SEO/SEM, usability, IT and network. Overall rating: very good. Position ended for operational reasons.
- Certificates: Professional Scrum Master I (Scrum.org, 2020), Full-Stack Web Developer (2021), Agile Project Management (2021), Object-Oriented PHP (2020).