Uğur Akoğlu

PLM Solutions Engineer | 3DEXPERIENCE / ENOVIA | Engineering IT
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SUMMARY

PLM Solutions Engineer with 4+ years of experience in automotive engineering IT, administering a 500-user 3DEXPERIENCE/ENOVIA platform and the license and application landscape of 15+ engineering software products at BMC Otomotiv. Delivered large-scale data automation with an estimated 1,100 man-days saved, contributed to a major platform upgrade (2021x to 2024x) delivered with no business downtime, and drove the adoption of PLM modules across engineering and production teams. M.Sc. in Product Lifecycle Management with a thesis on migrating PLM systems from Windows-based to open-source server infrastructure.

WORK EXPERIENCE

BMC Otomotiv San. ve Tic. A.Ş. Izmir, Türkiye
PLM Solutions Engineer **Jan 2023 – Present**
Engineering Applications Specialist **Mar 2022 – Jan 2023**

- **Large-scale PLM data optimization:** corrected the location matrices of solid models across hundreds of thousands of assemblies using server-side MQL scripting, saving an estimated 1,100 man-days of manual engineering work.
- **ENOVIA / 3DEXPERIENCE upgrade (2021x → 2024x):** took a hands-on role across the 18-month project: system testing, documentation, the user acceptance test template, user training and go-live of the Offline Help module. Production cutover was completed over a single weekend with full data integrity and no business downtime.
- **Electrical design migration:** led the migration from Vesys 2018 to Capital Essentials without disrupting electrical design operations.
- **Platform ownership:** administer a 500-user 3DEXPERIENCE platform (configuration, deployment, upgrades), resolve PLM–SAP integration issues, maintain server architecture maps and managed the corporate enterprise architecture board.
- **DELMIA deployment:** rolled out DELMIA to ~30 users in the Manufacturing Engineering department, delivering training and hands-on support through and after go-live.
- **User adoption:** trained and onboarded 100+ users from Vehicle Design, Configuration Management, Manufacturing Engineering and Production through module training (Project, Document, Issue, Bookmark Management), go-live sessions for the DELMIA, Capital and 2024x projects, UAT support and one-to-one guidance.
- **Engineering software & licensing:** manage licenses and application servers for 15+ products (incl. ANSYS, MSC, Siemens Amesim, MATLAB, PTC Creo/Windchill, IBM DOORS, RAMSIS, Autodesk); administer FlexNet (lmtools) and RLM license servers, define user/group access rules through options files, renew licenses ahead of expiry, troubleshoot license and application servers, coordinate firewall rules with the network team, and prepare installation guides for the service desk.
- **Information security & audits:** represent the PLM domain in annual ISO 9001 and ISO/IEC 27001 audits; built the PLM asset and risk inventories (incl. accepted risks) and authored access management procedures for user provisioning and deprovisioning. Review leaver accounts, track open exceptions to closure, and grant and revoke time-limited write access on shared tracking lists.
- **Database monitoring:** routinely check PLM database server health via SQL Server Activity Monitor (I/O, locks, blocking) and carry out first-level interventions.
- **License optimization:** run periodic utilization audits to identify idle and duplicate 3DEXPERIENCE design licenses and reclaim them with managers, keeping licenses available during hiring peaks.

ENERCON Izmir, Türkiye
Mechanical Engineering Intern **Nov 2021 – Dec 2021**

- Supported wind turbine blade production with Production, Engineering and Quality teams, following safety and quality standards.

EDUCATION

Ege University **2022 – 2025**
M.Sc. in Product Lifecycle Management (with Thesis) GPA: 3.87 / 4.00
Thesis: PLM Migration Strategies and Approaches from Windows to Open Source Servers

Dokuz Eylül University **2017 – 2021**
B.Sc. in Mechanical Engineering
Team Solaris: aerodynamic analysis and optimization of the S11 solar vehicle; took part in building the vehicle with the team.

SKILLS

PLM & Engineering Platforms: 3DEXPERIENCE, ENOVIA, DELMIA, Capital Essentials, PLM–SAP integration
Administration: PLM administration and upgrades, FlexNet (lmtools) and RLM license servers, access management, asset and risk inventories, ISO 9001 / ISO/IEC 27001 audit preparation
Scripting & Tools: MQL, SQL (basic), SQL Server Activity Monitor, Jira, Confluence
Languages: Turkish (native), English (fluent)
Interests: 3D printing, electric guitar, piano