Zhaofeng Wu

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| Profile |
| 1. Over fifteen years of software development experience in design and implementation of enterprise-scale global systems, with exceptional skills in requirements extraction, domain analysis, system design, development, integration and implementation. 2. Innovative problem-solver with proven leadership strengths in application development, project management, new technology adoption, customer relations and support. 3. Strong technical background on PLM solutions and CAD/CAE/CAT/CAM/PLM application development in automotive, high-tech/telecommunication, and aerospace/defense industries. |
| Professional Experience  Teamcenter Customization   * BMIDE development: schema changes, conditions, naming rule, display rules, LOVs. * Workflow design and custom workflow handler development. * Sever Side Customization: ITK and SOA development. * Client/AWS customization: Stylesheet, Eclipse RCP, Java SWT/JFace, JavaScript, Gwt, AugularJS * Develop TC codeless customization: ACL, Classification, Query Builder, Preferences, and PLMXML. |
| ***Williams*** Detroit, MI • Jan 2016 to Present  TC Developer   * TC customization including BMIDE, RAC, ITK and SOA customization & development * Developed over ten customized Reports including Part Change History Report; Affected Engine Report; ECN Audit Report (over 30 checks, also serves as Workflow Validation Rule Handler); ECN Approval Report ( solution items, Add/Remove/Qty changes, Supersedures, Disposition Code, Workflow Approval Process: task states, reviewers, decision, quorum and comments); EBOM/MBOM/CADBOM reports. * Developed customized RAC Forms with table, ComboBoxCellEditor, date control, etc. using SWT/JFace. * Developed customized Dispatcher services (Creo2Step,NX2Step, Drawing2Pdf, Watermark); customized Audit Manager to Log Export Controlled Access * Developed custom RAC interface to add/update ad-hoc signoff reviewers, address lists and quorums. * Devleoped custom workflow viewer, custom perform-signoffs dialog to enable collaborations among CMs * Developed custom QA functionalities to automate Quality Procedure requirements and Inspection Planning Sheet (table) & report (PDF) * Developed custom IC to enable multiple competing changes, out-of-sequence changes; integrated with CM. * Developed fully automated workflow handler to activate and populate review task and reviewers based on ENC change type, Part Attributes, Manufacturing Cells, etc.… * Customized ERP Interface: compare and sync material and BOM to SAP and IFS using ITK and T4S * Workflow design and customization, develop customized handlers to enforce and automate business processes   ***IBM*** Hartford, CT • Jan 2010 to Dec 2015  Teamcenter developer, admin & Project manager at **Pratt & Whitney**   * Managed 3+M PW account including customer relation, project financials, forecast & invoice * Provided Level 3 production support, root cause analysis, develop workarounds and solution * Developed TC customization: TC Web (JSP/Servlet, java script, xml, xslt), RAC customization (Eclipse RCP/Java), TC service (SOA), user & server exit (ITK), BMIDE, workflow design & implementation, and NX integrations (UFUNC). * customize rule/action handlers to automate data release and pre/post validation reports; * Engineering change, bomchange, supersedure automation & customizations; * Customized item types, forms, attributes, compound properties, LOVs, Naming Rules, Extensions; * Customized pre/post actions to enforce business process; * Customized BOM reports(dynamic rev rules, variants, EBOM,MBOM * Customized NX import/export, automated data cleanup, data extraction. * Customized multi-site functionalities including project assignment, remote export, data sync/share * TC administration tasks including Access Manager, Query builder, Classification, Audit manager, Project, Command Suppression, Appearance Manager/Updater, Websphere, Pool Manager, FSC/FMS.   ***Sony Ericsson Mobile Communication***  (**Sony Mobile**) RTP, North Carolina • Jan 2008 - Dec 2010  solution manager   1. MCAD Integrations: led Design Central MCAD customization & global implementation in Sweden, U.S., Japan and China, including IEF configuration, MxUG, MxPro and Derived Output implementation; 2. Sourcing Solutions: led developments of various Enovia/MatrixOne solutions(Souring Central & Supplier Central) for sourcing to automate cost estimate, forecasting and pricing related report generations. 3. Mobile Computing PLM Implementation: rolled out new distributed work model in Mobile Computing team and factories, customize Engineering Central & AEF including ECO, ECI and Exemption implementation.   **Responsibilities:**   * Supported & led business functions in identifying PLM related requirements and future enhancements. * Supported & led business functions in developing PLM compliant business processes. * Worked with other solution teams to identify integration related issues and develop customized solutions. * Provided on-demand solutions for mission critical projects: EBOM upload for Mentor, Product Model Verification Report, Exemption Report , Production Tool Report and mql java client using ADK and MQL.   ***General Motors Corporation***  Warren, Michigan • 2000 - 2008  Project Manager, Information System & Services  **Major Projects:**   1. PLM Solutions: Integrations between Teamcenter and various design tools, including customized POM data model for various data types, Load Management and Results Management; developed new PSE for CAE Bill Of Material; configured workflow for Batch Meshing interface in Teamcenter. 2. Rapid Modeling & Analysis: A fully automated system (Java Swing) to retrieve CAD data from Teamcenter (ITK), cleanup geometry & mid-surface extraction (NXOpen), batch mesh geometries (HyperMesh/TK/TCL) via the parallel computing system (LSF/RMI/MPI/Korn Shell/Perl).   ***Optimal CAE, Inc.*** (contract to ***Ford Motor Company***) Dearborn, Michigan • 1999 - 2000  System Analyst, Manufacturing Eng Systems, DCD and New Model Programs   * Developed Global Weld spot Database used by body engineers, manufacturing engineers and production plants to contain and populate all data related to a weld spot |
| Education |
| **MBA, Kelly Business School, Indiana University** – Bloomington, IN • 2008  **MSME, The University of Toledo** – Toledo, Ohio • 1996 to 1997  **B.S. Automotive Eng, Tsinghua University**– Beijing, China • 1986 to 1991  **Wayne State University** – Detroit, MI • 2001-2004 (Completed all coursework toward Master of Computer Science) |
| Technical Skills |
| * **Systems/OS**: Unix (AIX, Solaris, HPUX), Linux, Windows. Shell/Batch Scripting * **Database**: ODBC, JDBC, MS Access, Oracle, SQL; NoSql/MongoDB * **Language**: C/C++, Java/Swing/SWT/JFace, .NET , Unix shell languages, TK/TCL, Perl * **J2EE:** JBoss/TomCat/WLS, Spring/Struts2/Hibernate, EJB/JPA/JSF * **Web:** Gwt/Guice/Gin, nodeJS/Express, AngularJS, gulpJS, jQuery,Soap & REST web services * **PLM**: ENOVIA/MatrixOne/MQL/ADK/JPO, Teamcenter/BMIDE/RAC/ITK/SOA * **CAD/CAE**: NX Open/UFUNC, Pro/E, Pro/ToolKit/JLink, HyperMesh, Nastran, LS-Dyna |