# William H. Hodson

## Principal Consultant

## SOA/BPM/ADF - Architecture & Implementation Specialist

Bill has twenty years of experience in Information Technology, including nine years of experience design and building custom solutions with Oracle Fusion Middleware products; using BPM 11g, ADF 11g, SOA 11g, Primavera P6 Integrations with BPM and ADF, WebLogic Server, Web Services, Oracle Databases, Coherence, Java, Web and Mobile Development. Bill has worked with a variety of clients in multiple industries and technical environments. He is a highly experienced software architect, with a solid technical background and excellent communication skills. Bill is recognized as a user interface integration expert across Oracle North America where he’s assisted many clients with API integration to Oracle Middleware products. He’s also got a proven track record of building mission critical, custom solutions for clients. Bill is also recognized for his expertise in the analysis, design and delivery of cost-effective, high-performance applications and infrastructures to address complex business problems. Bill has extensive experience in all facets of the project life cycle, from initial feasibility studies and conceptual design to functional design, system development, testing, documentation, system implementation, user training, and product enhancements.

#### Professional Experience with Oracle (Most recent consulting work)

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| SOA/BPM/ADF  Census Bureau  Feb 2015 – present | * **SOA/BPM/ADF Architect:** Assisted Paradyme Management personnel as they designed and built Oracle systems to meet the Census Bureau’s many survey needs. Duties included advising developers and architects in the Best Practices promoted by Oracle for design, installation, construction, testing, and deployment of Oracle FMW applications. Including, but not limited to: WebLogic, SOA, BPEL, BPM, OSB, and security. |
| SOA/BPM/ADF  Alcatel Lucent  Sep 2014 – Jan 2015  & Jan 2014 | * **SOA/BPM/ADF Architect:** Designed, Built, and documented a web application for a firm designing new automation tools for their users. The application utilized Primavera web services and the Apache POI Library to process an Excel spreadsheet that had data updates for up to 45 fields in the Primavera P6 database. The application applied pre-upload validations and a thread-based up loader to do a mass update of data. Work in January was preliminary designs. |
| SOA/BPM/ADF  General Motors  May – Aug 2014 | * **SOA/BPM/ADF Architect:** Designed, Built, and documented SOA/BPM Proof of Concept applications for a firm designing new tools for their customers. The applications utilized custom task flows that where supported by customized ADF task flows. The client’s XSD schema were extremely complex and used OO design and Substitution Groups which required a custom design of both the BPM and ADF task flows. |
| SOA/BPM/ADF  General Electric  Mar – Apr 2014. | * **BPM-ADF Development Lead:** Designed and Built BPM-ADF GUI for a supply-chain Proof of Concept. The POC demonstrated the use of Oracle tools to manage a supply-chain process, including support for buy/sell decisions relating to the companies multiple lines of products and their Bill of Materials. |
| SOA/BPM/ADF  Chase Bank  Feb 2014 | * **BPM-ADF Development Lead:** Created Design for the Web Portal and Mobile applications that would supply governance for a process to entitle users and user groups to the data that was being collected during drilling operations. The application managed all access rights to multiple levels of data and reported on usage levels and enabled historical reporting. |
| ADF 11g/ SOA 11g  General Electric  Nov – Dec 2013 | * **ADF 11g Architect & Developer**: The client was building a web-centric Financial System that needed a Journal Entry Drill-back application that allowed users to research and report on supporting financial data. I built an ADF application that seamlessly providing the necessary drilldown capabilities and integrated the app into the company’s EBS system. |
| BPM 11g / SOA 11g  Engine Mfg  Cummins Engines  Oct 2013 | * **BPM 11g/ SOA 11g Implementation Specialist:** Installed the entire SOA/BPM 11g stack on the client’s new hardware from scratch, training two of their IT workers as the install progressed and documented the install for their future reference. The client is using a Solaris machine with Oracle databases. |
| Java EJB-MDB  Kohl’s Dept Stores  Jul – Sep 2013 | * **EJB-MDB Development Lead**: Designed and Created an Enterprise Application utilizing Message-Driven Beans (MDB) for the monitoring and processing of JMS messages containing 3rd party shipping information used in the client’s high speed packaging processes. The MDBs monitored several local and foreign queues and performed at a very high level to meet the client’s on-time shipping SLAs. |
| ADF 11g/ BPM 11g/ SOA 11g  General Electric  Mar – Jun 2013 | * **ADF 11g Architect & Development Lead**: Designed and built process automation applications to create and modify Chart of Account Mappings between Enterprise and Business Entities for the General Electric Corporation. The applications were written in ADF 11g and BPM 11g which interfaced with backend data sources that included Oracle, DRM, and Coherence data schema elements. |
| Coherence  Web Services  Kohl’s Dept. Stores  Jan – Mar 2013 | * **Coherence Development Lead:** Designed andCreated a Web Application using Coherence Data Model and Web Services that interfaced with the client's 3rd party shipping software to supply shipping information for their automated packaging processes. These services enabled the high speed retrieval of shipping data that enabled the efficient use of Coherence in meeting the client's on-time shipping SLAs. |
| ADF 11g/ SOA 11g  State of Oregon  Oct – Dec 2012 | * **ADF 11g Architect & Developer**: Built Web-based ADF User Interface for an effort by the State of Oregon to implement various aspects of the Affordable Care Act. The application modernized the State’s web presence as well as implemented new services necessary to comply with State and Federal laws. The application provided a one-stop shop for users – interfacing with backend data stores and a user security and governance system to ensure user information security. |
| ADF 11g/ BPM 11g/ SOA 11g;  Order Tracking Process Automation  Aerospace & Defense Industry – Boeing  Mar – Sep 2012 | * **BPM 11g/ ADF 11g Architect & Developer**: Assisted the client in designing, building, and testing a web-centric Order-to-Cash custom, multi-site system that needed a portal application that displayed current anomalies and errors in their Order Tracking system. Using Oracle 11g technologies, the app routed these exceptions to the proper user communities and allowed them to update and mitigate the issues. Designed, created and deployed the portal application in the client’s new WebCenter Spaces portal. |
| ADF 11g/ BPM 11g/ SOA 11g;  Order Visibility Dashboard Process Application  Aerospace & Defense Industry – Boeing  Dec 2011 – Feb 2012 | * **ADF 11g/BPM 11g/ SOA 11g Architect & Lead Developer**: The client needed a portal application that displayed current reports in a mashup on Oracle WebCenter Spaces. This report gave users a real-time dashboard of the order and their status and the ability to drill down into the underlying records for modification. Bill designed and built the Oracle Database schema, the web services, and the ADF 11g application that contributed to this effort. |
| Order-to-Cash Process Automation  Aerospace & Defense Industry – Boeing  Aug – Nov 2011 | * **BPM 11g/ ADF 11g Architect:** The client needed a portal application that created Order Modifications for existing orders in their customized Order-To-Cash multi-site system. This application initiated the order modifications, integrated the corresponding instances with the client’s legacy systems, and tracked their progress in the system. Bill designed a database schema and the ADF 11g application to accomplish these tasks. |
| RFP & Pricing Process Automation  Aerospace & Defense Industry – Boeing  Aug 2010 – Jul 2011 | * **SOA/BPM 11g Architect:** The client is building a modern RFP and Proposal Pricing systems for their aviation parts & service division using OBPM 10gR3, JSP, jQuery, and BPEL in WebLogic SOA architecture that consisted of multiple servers in a clustered environment. Bill worked with their IT staff and several Oracle consultants as client requirements were gathered, the process design was created with the help of client SME’s, and the first two phases of the custom product was built, tested, and implemented. The process included RFP initiation, part validations, basis of estimate creation, and proposal creation and distribution. |
| Appliance Configuration Process Automation  Telecommunications  CBeyond Corp.  Mar – Jul 2010 | * **SOA/BPM Architect & Lead Developer:** The client was designing and building an automated process that would prepare and configure appliances that were to be installed in the field. Bill worked with their IT staff and third-party developers as the design was created, the POC was built, and the first phase was rolled out to the users. The process selected the proper configurations using input from the users in the field. It then formulated the proper appliance settings and transmitted the results to these field workers in real time. |
| Supplier Collaboration Process Portal  Aviation  Jan – Mar 2010 | * **BPM Architect & Lead Developer:** The client needed assistance as they designed an international portal for their suppliers. Bill worked with both their IT staff and third-party developers as the design was created and approved. This SOA/BPM portal app gave users web-enabled access to all current contracts as well as the ability to submit new requests. |
| Customer Alerting Process Portal  Energy  2009 | * **SOA/BPM Architect & Lead Developer:** The client needed a new SOA/BPM portal application that would replace a legacy UI and enable their call centers to access, manage, and report on their customer base. Bill was part of a team that trained and assisted the client’s IT staff as a proof of concept application was designed and built. |

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| Daily Transaction Volume Process Tracking  International Banking  2009 | * **BPM Architect & Developer:** The client needed two process applications built that would be used to manage high-volume, daily transactions for the client. Bill designed and built both applications. |
| Financial Services Process Automation  Banking  2009 | * **SOA/BPM Architect & Developer:** The client needed a final audit of their new SOA/BPM 10g system prior to going live. Bill analyzed the current application and reviewed all documentation, test data, and UAT results. He put the application through stress tests and submitted a final report of the health of the application to the client. |
| Supply Chain Process Automation  International Beverage Company  2008 | * **SOA/BPM Specialist:** The client needed a SOA/BPM 10g application installed in a distributed environment with fail-over and disaster recovery enabled. Bill was a member of the team that accomplished this complex installation task. |
| Construction Resource Management Process Automation  Housing Industry  2008 | * **SOA/BPM UI Integration Specialist:** Bill designed and built the ASP.NET UI for a new SOA/BPM application that helped the client manage their current construction resources, both in their main office as well as in the field. |
| Services Process Automation  Telecommunications  2008 | * **SOA/BPM Specialist:** The client needed their IT staff trained in BPM and how to integrate the BPM engine when using a Flex UI. Bill trained the client’s SOA/BPM staff and helped them build this solution, test, and deploy this solution. |
| Services Process Automation  Telecommunications  2007 | * **BPM Integration Specialist:** The client needed a custom application that would use an ASP.NET UI interfaced to a group of BPM engines in a distributed environment. Bill and a team from Canada designed and built the process application that was used by the client as a first step in their ongoing enterprise system. |
| Services Process Automation  Telecommunications  2007 | * **SOA/BPM Integration Specialist:** The client needed to interface to the BPM engine through a custom UI. Bill created the SOA/BPM Application Process Interface (APIs) so that the client’s code could access and modify users, groups, and permissions within the BPM engine and its user directory structure. |

#### Skills Summary

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| **Oracle Databases & Tools** | * Oracle 11g, 10g, 9i, XE | * Oracle SQL Plus |
| * Oracle SQL Developer | * JDBC |
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| **Non-Oracle Databases** | * SQL Server | * MySQL |
| * Access |  |
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| **Oracle Applications & Tools** | * BPM 12c, 11g, 10g, 6.x (ALBPM, Fuego) * JDeveloper 11g, 12c * ADF * JMS, ActiveMQ | * SOA Suite 11g * FMW BPEL * WebLogic, EM, OSB * Coherence * BAM |
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| **Operating Systems** | * MS Windows * Unix, Linux, HREL * Apache / Tomcat |  |
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| **Programming Languages** | * Java, J2EE * JSP, JSF * JavaScript, Ajax, jQuery * VB.NET, ASP.NET * C#, Apache POI, iText | * HTML, DHTML, CSS * XML, XSD, XSLT * T-SQL, PL/SQL * PHP 5 |
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| **Misc. Engagement Experience** | * Web Services * Primavera - P6 Integrations * Design Documentation * Project & Team Mgmt. * OUM Documentation | * DB Schema design * Stored Procedures, Functions * SVN, CVS Code Mgmt. * Data Conversion Mapping * Oracle 12c ADFDI |
| * Excel & Word Automation * PDF Automation * Functional Test Plans | * User and IT Staff Training * Agile, SCRUM * Load Testing Planning |

#### Education & Other Accomplishments

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| Education | Bradley University |
| Purdue University |
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| **Certifications** | Oracle BPM Architecture  Oracle Project Management |