

**PHILIP WIK'S SKILLS AND EXPERIENCE MATRIX
FOR
LEAD INFORMATION ARCHITECT**

The Lead Information Architect will work closely with the business units to understand their information requirements/objectives to create an information architecture that is aligned with and capable of supporting the business strategy. This position will coordinate the movement, enhancement, integration, quality and availability of data throughout the Choice enterprise.

Skills	Level of Experience			Detailed Description
	5+ Years	2-5 Years	0-2 Years	
Database Systems experience				
<ul style="list-style-type: none"> Oracle 10g/11g 	6 Years			Total of 18 years of experience in Oracle starting from version 7.X, 8.X, 9i, 10G, and 11G
	12 Years in Oracle 7.x, 8.x, 9i, 10G, 11G			

Skills	Level of Experience			Detailed Description
	5+ Years	2-5 Years	0-2 Years	
				<p><u>A00. Company: Boeing</u></p> <p>A10. Duration: 2005-2010</p> <p>A20. Role: Senior Consultant/Lead Architect/Developer</p> <p>A30. Project: Enterprise Supply Chain A2A Implementation</p> <p>A31. Description:</p> <p>Built a flexible interfacing process of transmitting with an A2A hub inbound/outbound file transmissions via Websphere MQ to support the Service Planning Optimizer (SPO) forecasting, optimizing, and replenishment system. 200 interfaces, six million messages per day. Canonical modeling achieved: canonical message schema. Converted balancing and client csv reports from Oracle procedures to business objects (Cognos).</p> <p>A32. Number of Database Tables:</p> <p>330 production ESCM schema objects</p> <p>A33. Modeling Tools:</p> <p>CA Erwin Data Modeler</p> <p>A34. Modeling Requirements:</p> <p>Use case diagrams, object diagrams, class diagrams, collaboration diagrams, sequence diagrams, statechart diagrams, activity diagrams, component diagrams, deployment diagrams.</p> <p>A35. Environment:</p> <p>Java APIs, XML, XSL, Oracle Advance Queuing, IBM Websphere MQ, Veritas high availability clusters, IBM DB2 JDBC drivers, IBM JMS</p>

Skills	Level of Experience			Detailed Description
	5+ Years	2-5 Years	0-2 Years	
				<p>Websphere MQ MS bridge, Microsoft JDBC driver for SQLserver, ASF XML Xerces XML parsers, ASF XML XALAN XSLT style sheet processor. Java Servlet/Server Pages. SQLLDR</p> <p><u>B00. Company: Honeywell</u></p> <p>B10. Duration: 2002-2005</p> <p>B20. Role: Senior Consultant/Lead Architect/Developer</p> <p>B30. Project: Tucson Online Tracking System</p> <p>B31. Description:</p> <p>Online labor reporting system. Performed analysis, data cleansing, data mapping, and data extracts. Worked with the business intelligence group on some of these extracts using Informatica.</p> <p>B32. Number of Database Tables:</p> <p>25 tables</p> <p>B33. Modeling Tools:</p> <p>IBM InfoSphere Data Architect</p> <p>B34. Modeling Requirements:</p> <p>Lead for offshore development. Enhancements and optimization.</p> <p>B35. Environment: Oracle 8i, Oracle 6i forms, UNIX/AIX.</p> <p>B40. Project: DataStream Implementation/Upgrades</p> <p>B41. Description:</p>

Skills	Level of Experience			Detailed Description
	5+ Years	2-5 Years	0-2 Years	
				<p>Implemented and upgrade DataStream 7i, an asset performance management system.</p> <p>B42. Number of Database Tables: 15 tables</p> <p>B43. Modeling Tools: IBM InfoSphere Data Architect</p> <p>B44. Modeling Requirements: Use case diagrams, object diagrams, class diagrams, collaboration diagrams, sequence diagrams, statechart diagrams, activity diagrams, component diagrams, deployment diagrams.</p> <p>B45. Environment: IBM Websphere, Oracle 9/AS J2EE, tomcat/apache application server, EJB, JSP, XML, Oracle Discoverer</p> <p>B50. Project: Order Management System With Shipping Information and Contract Details</p> <p>B51. Description: Order management system containing shipping and contract details. This is a web-based application that would enable users to access achieved mainframe data placed in Oracle tables.</p> <p>B52. Number of Database Tables: 54 tables</p> <p>B53. Modeling Tools: IBM Rational Rose, UML</p>

Skills	Level of Experience			Detailed Description
	5+ Years	2-5 Years	0-2 Years	
				<p>B54. Modeling Requirements:</p> <p>Produced systems architectural design that included the following:</p> <ul style="list-style-type: none"> • Application architecture • Data Model • Rose Model • Modules/Screens • Reports • Generic Functionality • Package Information • List of Error Messages • List of Session Variables • List of Hidden Variables • List of Date Formats Supported • List of Properties • List of Reuseables • Assumptions • Performance Considerations • Traceability Matrix

Skills	Level of Experience			Detailed Description
	5+ Years	2-5 Years	0-2 Years	
				<ul style="list-style-type: none"> Application Architecture Checklist <p>B55. Environment: JCL, JavaBeans, IBM Secure Directory Server, Crystal Reports, IIS Server, Oracle, HTML, DHTML, JavaScript, JSP, Servlets, IBM Websphere</p> <p>C00. Company: Wells Fargo</p> <p>C10. Duration: 1999-2002</p> <p>C20. Role: Systems Engineer/Architect</p> <p>C30. Project: Partitioned Automated Clearing House</p> <p>C31. Description: 15 partition table split on 40 million row automated clearing house (ACH) tables, that maintains 90 days of historical transaction data for inquiries and returns for cash management client services.</p> <p>C32. Number of Database Tables:</p> <p>21 tables</p> <p>C33. Modeling Tools: Sparx Enterprise Architect</p> <p>C34. Modeling Requirements:</p> <p>Use case diagrams, object diagrams, class diagrams, collaboration diagrams, sequence diagrams, statechart diagrams, activity diagrams, component diagrams, deployment diagrams.</p> <p>C35. Environment: Oracle 9i, UNIX/HP, JavaScript, J2EE, EJBs, Oracle Application Server, Jdeveloper, Oracle Identity management (LDAP).</p>

<ul style="list-style-type: none"> SQL Server 		2 Years		<p>Two years of experience developing applications using MS SQL Server 2005/2008.</p> <p>Migrated backend of MySQL to Oracle. Modified ASP web to access Oracle. Migrating classic ASP to ASP.NET.</p> <p><u>A00. Company: Boeing</u></p> <p>A10. Duration: 2005-2010</p> <p>A20. Role: Senior Consultant/Lead Architect/Developer</p> <p>A30. Project: Corpus Christi Parts Catalog Migration</p> <p>A40. Description:</p> <p>View, maintain, report, and collect part assemblies. Selected assembly parts are used to create a report in picture form of the image from the database.</p> <p>A50. Number of Database Tables:</p> <p>27 tables and views</p> <p>A60. Modeling Tools:</p> <p>CA Erwin Data Module</p> <p>A70. Modeling Requirements:</p> <p>Use case diagrams, object diagrams, class diagrams, collaboration diagrams, sequence diagrams, statechart diagrams, activity diagrams, component diagrams, deployment diagrams.</p> <p>A80. Environment: Oracle 9i, MS SQL, XSLT, ASP, SQL Server 2005</p>
--	--	------------	--	---

--	--	--	--	--

<ul style="list-style-type: none"> DB2 	10 Years			<p>DB2 hands-on experience predates DB2 UDB 7.5.</p> <p><u>A00. Company: First National Bank of Chicago/JP Morgan/Chase</u></p> <p>A01. Duration: 1982-1999</p> <p>A02. Role: Lead Programmer Analyst/Architect</p> <p>A03. Project: First Infinity (1996-1999)</p> <p>A04. Description: Redesign and rebuilt credit card system infrastructure. \$100 million development project. 120 people. Lead responsibilities.</p> <p>This was a significant milestone in my career as it allowed me to make the conceptual transition from flat and hierarchical files to relational databases, mainframe to client/server/distributed/object paradigm, and to think holistically and architecturally rather than atomically and procedurally.</p> <p>The following reference is from senior vice president Doug Blumhardt, who managed this project. The telephone number below is current.</p> <p>"I have had the privilege of working with Philip Wik at First Card, a division of First Chicago (a successor company of what is now the JP Morgan Chase Company) in the late 1990's. During that time I functioned as a Senior Vice President. During my tenure there, I led a \$100 million development project to entirely redesign and rebuild First Card's system application infrastructure. In 1999, we installed the final release of a system known as First Infinity. It was a 24x7 real-time system that provided the core accounting, customer service, collections, and other related system application functionality for First Card (the largest gold card issuer in the USA at that time with over 18 million accounts). The system was tested by IBM at that time to be able to process 170 million accounts in a single mainframe image.</p> <p>Philip Wik was one of many dedicated professionals who participated in the</p>
---	-------------	--	--	---

				<p>design, construction, and implementation of this system. In order to accomplish something of this vast scope and complexity, our project team developed innovative approaches to the project development life cycle as well as the planning and control process. We also utilized a very dynamic team structure and approach to staffing and training. There were 27 different technical teams with expertise in various platforms, databases, and development-related specialties. The leadership team frequently rotated professionals across multiple teams in order to cross-pollinate skills and seed understanding of functionality and architecture throughout the life cycle process. All of our professionals gained a high-degree of exposure to the entire project and developed multi-faceted skills.</p> <p>If you have the opportunity to hire Phil Wik in any capacity, you will gain a highly skilled resource who has both experience in developing complex, yet highly-integrated operating systems. Should you have questions, I am available and would be glad to respond to your inquiries.</p> <p>My sincere regards,</p> <p>Doug Blumhardt</p> <p>615-394-6806"</p> <p>A05. Number of Database Tables:</p> <p>Many</p> <p>A06. Modeling Tools:</p> <p>Erwin Data Modeler</p> <p>A07. Modeling Requirements:</p> <p>Data entities, data groups, data flows.</p> <p>A08. Environment: HOGAN, DB2, mainframe and client/server interfaces</p>
--	--	--	--	--

OLTP transactional, servicing interactions				<p><u>A00 Company: NDC Health Information Systems</u></p> <p>A10 Duration: 1999</p> <p>A20 Role: Lead Programmer Analyst</p> <p>A30 Project: Territory Analyzer</p> <p>A41. Description: Supported five terabyte star schema data warehouse with 2.3 billion prescriptions and 1.2 million prescribers in an OLTP system, processed through a DSS server/web for internet availability. Created data marts based on client needs. Erwin data modeling.</p> <p>A42. Number of Database Tables:</p> <p>Many</p> <p>A43. Modeling Tools: CA Erwin Data Modeler</p> <p>A44. Modeling Requirements:</p> <p>Fact/dimension tables optimization.</p> <p>A45. Environment: Prism, Business Objects, Oracle 8, DB2, MicroStrategy DSS Agent, UNIX/Solaris, LINUX (redhat). PL/SQL Developer, Unicenter, Quest/TOAD.</p>
Deep tactical experience as a data architect, crossing conceptual, logical, physical layers	20 years			<ul style="list-style-type: none"> • More than 20 years of information technology expertise in client/server and mainframe environments using project management, systems analysis, and applications programming. • Seasoned technical systems integrator, administrator, coordinator, manager, developer, lead programmer, and analyst with expertise in enterprise application process and data modeling, cross-platform migrations and conversions, relational database design and normalization, and software reengineering.

				<ul style="list-style-type: none">• Proven ability to oversee or execute all software life-cycle activities from requirements analysis to software implementation and support within a distributed organization.• Hybrid client-server/mainframe interfacing skills, with strong expertise in Oracle and UNIX development.• Significant experience with all phases of software development operating under Capability Maturity Model-Integrated (CMMI) Level 3 processes and excellent communication skills.• Enthusiastic about working in a fast-paced spiral development environment and travel as is required.
--	--	--	--	---

Deep tactical experience with physical database design and optimization	18 years			<p>My experience on large databases at a variety of environments has given me a deep exposure to developing and optimizing physical databases.</p> <p>My hand-on experience includes the following:</p> <p>SYSTEM DEVELOPMENT LIFE CYCLE</p> <p>Agile, Waterfall, Method/1, and others</p> <p>PHYSICAL DESIGN</p> <ul style="list-style-type: none"> • Building of constraints, primary/foreign/candidate/unique key relationships, cursors, queries, joins, indexes, views, synonyms, links, etc • Populating and partitioning tables, backups, restores (such as Oracle's Data Pump, RMAN) • Analysis leading to denormalized constructs, including star and snowflake schemas, online analytical process (OLAP) cubes, and materialized views <p>MODELING</p> <ul style="list-style-type: none"> • Normalization to the fourth normal form and denormalization to the second form as is expedient • Business/enterprise models and definitions • Decision tables • Identifying data entities, groups, attributes, relationships, messages, and flows • Data entity models and data flow diagrams • Use cases • Security and fallback (such as RAID and Oracle's Data Guard) • Networks • Employing Unified Modeling Language to show a logical view of objects, classes, collaborations, interactions and categories within an object oriented framework • Striving for understanding outside of myself through peer collaboration and customer interviews, formulating the right questions, having an
---	----------	--	--	--

				<p>appropriate systems and object epistemology (discerning what is true)</p> <ul style="list-style-type: none"> • Formulating and integrating business rules • Developing repositories of entities and attributes • Creating system design and interfacing specifications, test plans, implementation plans • Building object models and classes • Utilizing Rapid Application Development and Joint Application Development techniques <p>OPTIMIZATION</p> <p>A. Data Base</p> <p>Tuning memory, identifying objects to be pinned, Tuning parameter files (Oracle's INIT.ORA, especially the SGA), applying bitmap indexes or hash joins (for data warehousing), segregating segments by application, usage, static or high DML, staging for data warehouse, materialized views, partitions, etc.</p> <p>B. Network</p> <p>Reducing traffic to return codes, using packets from views to reduce traffic, thread pooling, etc.</p> <p>C. Hardware</p> <p>Striping and mirroring hardware, parallel processing, Real Application Clusters (RAC) etc.</p> <p>D. Application Level Optimizing</p> <p>Using explicit cursors, adding indexes or hints etc. Using cost base optimizer , SQL Trace, TKPROF and EXPLAIN plans Avoiding unnecessary sorts and trips to the database Adding and suppressing indexes, including bit map and cluster indexes</p> <p>E. UNIX</p> <p>Disk usage (du), CPU use (sar), worst users (top), disk i/o (iostat, vmstat), etc.</p> <p>F. Tools</p>
--	--	--	--	---

				DB Optimizer (Embarcadero), SQL Tuner (Quest), and Oracle Enterprise Manager 10G/11G tools, including Oracle Managed File, Automatic Optimizer and Automatic Workload Repository
Deep experience with SQL	15 Years			My experience with SQL goes back to 1995, with DB2 queries. Since 1999, I have consistently developed systems using PL/SQL with additional ANSI SQL effort in MS Access.
Deep experience with Erwin and other data modeling tools	14 Years			I have used versions of Erwin going back to 1996, as described above.
Experience with application data access (java and other), as well as ORM	6 Years			As described above: <ul style="list-style-type: none"> • Honeywell, Data Systems (4 years) • Boeing, Corpus Christi Parts (2 years)
Experience with JPA, Hibernate, ibatis are a plus	6 Years			As described above: <ul style="list-style-type: none"> • Honeywell, Data Systems (4 years) • Boeing, Corpus Christi Parts (2 years) <p>Utilized in both cases the Java Persistence API to extend capabilities that were not in EJB 2.1 Used Hiberate and iBATIS as persistence mapping frameworks.</p>
Experience developing data models within a SOA servicing and integration architecture			2 Years	Utilized Web Services Description Language (WDSL) and Simple Object Access Protocol (SOAP) for XML and web services messaging.
Experience with MDM implementations, modeling, architecture, concepts	19 Years			Applied master data management processes and tools for managing data entities through the organization.

				<ul style="list-style-type: none"> Exploited data visualization techniques to communicate to the enterprises the corporate mission and vision as regards to data governance. Extended expertise into the development of meta-database or federated systems, a fully-integrated, logically component of all constituent databases. Also developed Operational Data Store (ODS) systems that could be accessed by Extract, Transform, and Load (ETL) tools, such as Oracle Warehouse Builder, Business Objects (Cognos), DMExpress (Syncsort), and IBM Info Server (DataStage). These ETLs were all used at Boeing. Honeywell used Cognos and Informatica.
Experience with enterprise canonical models			4 Years	Four years of experience in Canonical modeling. Extensive use of XML transactions and database modeling.
Experience with UML and Object-Oriented Analysis and Design			4 Years	Four years of utilizing Unified Modeling Language (UML) in providing visual modeling of object-oriented systems and actor/system representations, interrelationships, and extensions.
Experience with UML Modeling tool			2 Years	Used Sparx EA Enterprise Architect to develop UML 2.0 use cases and record test matrixes at Wells Fargo.
Exposure to and understanding of SOA technology infrastructure (ESB, BPM, Registry, BAM, WSM, Orchestration)	3 Years			Utilized Oracle Service Oriented Architecture (SOA) suite, including Oracle Web Services Manager, Oracle JDeveloper, and Oracle Business Rules.
Exposure to and understanding of SOA Principles, Patterns, Processes, Standards	3 Years			<p>SOA is a flexible set of design principles used during the phases of systems development and integration.</p> <p>A deployed SOA-based architecture will provide a loosely-integrated suite of <i>services</i> that can be used within multiple business domains. XML is commonly used for interfacing with SOA services, though this is not required.</p> <p>SOA as an architecture relies on service-orientation as its fundamental design-principle. If a service presents a simple interface that abstracts away its underlying complexity, users can access independent services without</p>

				<p>knowledge of the service's platform implementation.</p> <p>SOA design patterns were recognized and implemented in the following:</p> <ul style="list-style-type: none"> • BOEING A2A project. Heavy reliance on Asynchronous Queuing and Oracle Advanced Queues. • HONEYWELL DataStream. Reliance on Brokered authentication.
Exposure to and understanding of Web Services design and engineering			4 Years	Four years of developing Web Services/XML/XSD/XSLT/SOAP protocols/processing.
Exposure to information integration hubs, publish-subscribe models			2 Years	<p>At Honeywell, analyzed iWay Software's Enterprise Data Hub and the iWay Universal Adapter Suite, to create a federated view of Oracle, IMS, DB2, and web services (SOAP) data.</p> <p>At Boeing, as part of the A2A project, investigated pub/sub asynchronous messaging paradigm, where messages are encapsulated into classes for subscribers to access.</p>
Summary				<p>Deep and significant experience at large corporations using the following relevant key skills:</p> <ul style="list-style-type: none"> • I have more than ten years of modeling experience using a variety of modeling tools. • I have more than seven years of data warehousing/business intelligence/data mining/ODS/ETL experience. • I have strong dimensional modeling skills and possess current knowledge of the data warehouse market, including vendors, technologies, and standards. • I have database administration knowledge, including knowledge of optimization techniques. • I have experience with J2EE, UNIX, and business objects.

				<ul style="list-style-type: none">• I have constructed and maintained the knowledge base of business capability in terms of business information and processes.• I have created and maintained the supporting documentation comprising the business architecture.• I have created and maintained the architectural vision by working within the architecture vertical team to understand and document the business principles, goals and strategic business drivers of the organization.• I have documenting the baseline and target business architecture using modeling techniques and tools as appropriate and at the right level of detail.• I have produced work objects and deliverables contributing to a roadmap and migration plan to work towards the target business architecture.• I have maintained business models and other business architecture outputs from creation to subsequent refresh cycles.• I have produced and maintained business process maps and functions for the supporting technology objects (applications, platforms, components).• I interact in such a way so as to mold consensus and I am a champion of the road forward.• I accept and embrace change and strive to understand through active listening and mature discussion and debate.• I am an exceptionally hard worker.• I follow through on commitments. <p>My goal is to strive always for quality, to demonstrate reliability and</p>
--	--	--	--	---

				loyalty, and to accept challenges and change gracefully.
--	--	--	--	---