**David Conrad**

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**Cary, NC**

# Executive Summary

Detail oriented, hands on, quick learner and motivated individual with 12 years of experience in Systems Analysis/ Design and Development with efficient problem solving abilities. Looking for an aspiring career in the field of Data Science to produce superior results leveraging my functional and technical abilities.

# Education, Certifications, and Professional Affiliations

* **DECA-DS –** DELL EMC certified Data Science Associate [April 2017]
* **OBIEE –** Oracle Business Intelligence Foundation Suite 11g Essentials [August 2013]
* **CSM** - Certified Scrum Master, Scrum Alliance [November 2011]
* **INS 21** – Property and Liability Insurance Principles, AICPCU/IIA [December 2009]
* **SCEA 1.4** - Sun certified Enterprise Architect 1.4, Sun Microsystems [December 2008]
* **SCDJWS** – Sun Certified Developer for Java Web Services, Sun Microsystems [August 2008]
* **SCJP 5**.0 – Sun certified Java Programmer, Sun Microsystems [December 2007]
* **B.E** - Bachelor of Engineering in Computer Science, University of Madras, India [May 1999]

# Professional Summary

* 12 years of IT experience in full life cycle of software development.
* 11 years of insurance domain experience.
* 6 years of experience working in product development (Insurance).
* Worked in companies with 100 employees with extremely less/ immature processes.
* Worked in companies with 10000 employees with mature processes.

# Areas of Expertise

* System Design and Analysis
* Team Leadership
* Service Oriented Architecture (SOA)
* Sparx EA - Unified Modeling Language (UML)
* Data Analysis and Business Intelligence

# Skill sets

**Platform:** Java SE, Java EE

**Languages:** Java, R, Python, SQL

**Relational Database:** Oracle, DB2, MySql, MS SQL Server

**ETL & Analytics:** Informatica PowerCenter, Tableau, SSIS, Cognos Impromptu

**Big Data:** Hadoop, Map Reduce, HDFS, Pig, Hive, Spark

**No-SQL Database:** MongoDB

**XML Parser:** DOM, SAX

**Messaging & Protocols:** JMS

**Build Tools:** Ant, Maven

**Operating Systems:** Linux, Mac OS X, Unix, Windows

**Web Framework:** Struts, Spring, Tiles, Taglib

**Web Services:** Spring Web Services, XFire, SOAP

**ORM & Caching:** Hibernate, JDO

**Paradigms:** OOP, Agile with Scrum, Continuous Integration, Test Driven Development, Waterfall

**Testing:** Junit, DBUnit, Cactus

**App Server:** WebSphere App Server, Apache Tomcat, Weblogic, JBoss AS

**SCM:** SVN, Git, CVS

**IDE:** Eclipse, IBM RAD, MyEclipse

**Web Others:** XML, JSON, XSLT, XSD, XSL, XPATH, XHTML, HTML, DHTML, DOM, CSS, JavaScript

**Industries:** Financial services – consumer loans, Insurance – P & C /Life, Telecommunications

# Experience

**Stay At Home Parent** *May 2012- Present*

* Obtained DELL EMC Data Science Associate professional certification.
* Obtained OBIEE (Oracle Business Intelligence Foundation Suite 11g Essentials) professional certification.
* Completed online courses in Udemy, Coursera and MongoDB.

**Sentry Insurance, Madison, WI** *Dec 2010 – April 2012*

**Senior Programmer Analyst**

* Participated in requirements gathering, business analysis and user meetings, discussing issues to be resolved and translating user inputs into ETL and Report design documents.
* Designed and developed mapping, transformation logic and processes for implementing business rules and standardization of source data from multiple systems into the data warehouse.
* Worked closely with Data Architects to understand the future state and interdependency of data in the enterprise.
* Wrote complex SQL queries in Oracle and SQL Server to find correlations, insights and trends in the customer data to provide meaningful insights.
* Worked on dimensional modeling to design and develop STAR schemas by identifying the facts and dimensions.
* Designed logical models as per business requirements using Erwin.
* Analyzed data to understand customer behavior and sales pattern using Tableau.
* Worked as a SCRUM master for the project.
* Created conceptual data models to define business data, entities and business processes.
* Worked on Proof of Concept to show the feasibility of Hadoop.

**Environment**: Java, Hadoop, Informatica Power Center 9, Tableau, Oracle 10g, MS SQL Server, SSIS.

**Compuware Corporation, Madison, WI** *Jul 2007 – Feb 2010*

**Systems Analyst/Designer - American Family Insurance** *Nov 2007 – Feb 2010*

* Designed Claims Processing use cases using JavaEE core patterns and documented in UML standards using Enterprise Architect.
* Developed key system use cases and most of the common reusable code across web applications.
* Developed and executed junit test cases using EasyMock for the business tier and Spring Mock for the integration tier.
* Analyzed code coverage and performance using Jprobe.
* Implemented caching mechanism for the web application using OSCache and EHCache.
* Created web service client using XFire and streamlined the process for generating and managing the generated classes.

**Environment**: Java 5.0, JSP2.0, Struts1.3.8, Tiles, MyEclipse 6.0, XFire, Maven 2.0.8, Hibernate 3.0, Spring 2.0.8, Easy mock, Jprobe, Enterprise Architect 4.1, AJAX, OSCache, EHCache, WSAD 5.0, CVS and DB2 7.2.

**Programmer Analyst - Great Lakes Education Loan Services** *July 2007 – Nov 2007*

* Conducted and documented Impact Analysis for the requirement by identifying the core system dependencies across the NOS application.
* Developed the complete business logic to handle the requirement and executed JUnit test cases to meet the code coverage.
* Prepared Test Plan covering all the business scenarios and performed Integration Testing.

**Environment**: Java 5.0, EJB 2.0, JSP1.1, Servlets 2.0, Struts1.2, Tiles, RAD 6.0, WebSphere Application Server 6.0, Serena ChangeMan, DB2.

**Reasonsoft Inc.** *May 2006 – June 2007*

**Programmer Analyst - Deloitte Consulting Service** *Feb 2007 – June 2007*

* Developed core system use cases and custom tags for User Interface Framework layer using JSP Custom tags technology.
* Implemented various Core Java and J2EE Patterns for the system use cases.
* Developed Web Service consumer to retrieve existing case data from the producer.
* Developed and executed JUnit test cases, Integration tests and system tests for the application.

**Environment**: Java, JSP 1.1, Servlets 2.0, Custom Tags, EJB2.0, XML, Java script, HTML/DHTML, CSS, RAD6.0, Web Services, DB27.1, Websphere 6.0.

**Programmer Analyst - American Family Insurance** *May 2006 – Nov 2006*

* Developed core use cases of SIS Life Annuity application using JSP, JSTL, Struts, Spring and Ajax.
* Implemented various Core Java and J2EE Patterns for the system use cases.
* Developed testing framework for SIS application using JUnit and HttpUnit.
* Developed and executed JUnit test cases, Integration tests and system tests for the application.
* Participated in Peer Reviews within team.

**Environment**: Java, Hibernate 3.0, Spring1.2, AJAX, JSP1.1, JSTL, Struts1.2, Tiles, JBoss 4.0 Application Server, My Eclipse 4.5, Harvest, CVS, JUnit, HttpUnit, Apache Commons, XML Beans, Oracle9i.

**Accenture, India** *Oct 2005 – Apr 2006*

**Team Lead - Bellsouth Telecommunications**

* Created project documents like Solution Specification Document, Joint Interface Document and Interface Functional Document for the broadband domain system.
* Prepared high-level design with various UML diagrams like Class diagram, Sequence diagram, activity diagrams using Rational Rose.
* Implemented various Core Java and Core J2EE Patterns like Adapter, Factory, Value Object, Business Delegate, service locator, Data Access Object and Session Facade.
* Designed the Strategy for Logging and Exception handling.
* Orchestrated the workflow for integration with Broadband domain systems using Yantra solution.
* Trained the team on technical Architecture.
* Conducted reviews as part of the review panel for all the modules.
* Updated and maintained XSL templates for converting into SOAP message.
* Used Java Messaging Service (JMS) for communicating over ESB.

**Environment**: Java, Hibernate 2.1, EJB 2.0, AJAX, JSP, Struts, Tiles, XML, XSL, XPath, WebSphere Application Server 5.0, Yantra Tool, WSAD 5.0, Harvest, Rational Rose ‘00, Junit, Oracle9i/10g.

**FirstApex Technologies, India** *Nov1999 – Sep 2005*

**Technical Lead**

* Created ETL mappings and transformations to reflect business rules using Informatica Powercenter to move data from multiple sources into target area.
* Conducted reviews as part of the review panel for all the modules.
* Developed reusable transformations to load data from various data sources to the Data Warehouse.
* Scheduled Informatica sessions and workflows using Informatica Scheduler in Business process as Requested in SLA.
* Developed ETL routines using Informatica Power Center and created mappings involving transformations like Lookup, Aggregator, Ranking, Expressions, Mapplets, connected and unconnected stored procedures.
* Performed feasibility study, prepared use case and represented in the form of UML.
* Participated in complete SDLC of the project.
* Prepared high level and low-level design with UML diagrams like class diagram, sequence diagram, state chart diagram using Enterprise Architect 4.1.
* Designed and developed data abstraction layer using Java Data Objects (JDOs).
* Prepared use case and UML diagrams like class diagram, sequence diagram and state chart diagram using Microsoft visio.
* Implemented various Core Java and Core J2EE Patterns like Abstract factory, factory method, strategy, visitor, builder, Front controller, Business delegate, service locator, session facade, Transfer Object and Data Access Object.
* Deployed Enterprise Archives (EARs) in heterogeneous application server – Weblogic and Jboss Designed the Strategy for Logging and Exception handling.
* Traveled onsite as Technical support – Conducted product discussions and Presented demo on Unit Linked features.
* Implemented the feature at the Client site successfully.
* Developed and tested Impromptu catalog for reporting purposes.
* Won Professional Excellence Award for successful implementation of the project at the client site.
* Won team award for Customer Support.

**Environment**: Java, EJB2.0, KODO-JDO, JMS, XML, XSL, Xpath, Castor, Jasper, AJAX, Quick Rules- Rule Engine Oracle 8i/9i, Weblogic 8.1, Jboss 3.x/4.x, ANT, MyEclipse 4.1, Junit, Starteam, Windows 2000, Enterprise Architect 4.1, Microsoft Visio, IBM Visual Age for Java 3.5 on Windows NT, Cognos Impromptu 6.0, Informatica PowerCenter