

# James W. Albersheim

(303) 263-3526

## Senior Software Engineer

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Updated: Nov 8, 2015

## Career Objectives and Qualifications

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I desire to expand my knowledge and experience on the Microsoft, Unix, Linux, MAC, and mobile device operating systems with development in Java/J2EE. I prefer to provide technical guidance while continuing to have my hand in the programming.

## Skills Distribution

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Career Summary			Programming Languages			Operating Systems		
	years	last used		years	last used		years	last used
BA in Math and Computer Science			Java	12+	2015	Unix	12+	2015
Over 12 years Professional Experience			J2EE	10+	2015	Sun OS	9	2000
Over 10 years software consulting			C#	5	2010	Linux	7+	2015
Over 7 years technical leadership roles			C/C++	9	2004	Windows	12+	2015
Databases and Tools			Development Environments			Unit Testing Tools		
	years	last used		years	last used		years	last used
Oracle	12+	2009	Visual Studio	6	2011	JUnit	7	2015
MySQL	6	2014	Eclipse	7	2015	Nunit	1	2008
SQL Server	3	2010	WL Workshop	1	2009	SOATest	2	2015
MongoDB	½	2015	IntelliJ	½	2015			
Scripting/Frameworks			Software Revision Tools			Industries/Applications		
	years	last used			last used			
HTML/XML	6	2015	SourceSafe		2011	Plotter Drivers		
Javascript	6½	2015	Accurev		2015	GUI Design/Development		
XML	6½	2015	Perforce		2009	GIS		
Angular.JS	½	2015	Subversion		2014	Telecommunications		
Libraries and Technologies			Software Build Tools			Security Systems		
	years	last used		years	last used	Health/Patient Information		
Sockets	3	2011	Ant	6	2014	Satellite Imagery		
AJAX	6	2013	Jenkins	1½	2015	Airline/Travel Reservations		
Struts	2	2013	Cruise Control	3	2009	Internet E-Commerce		
Visio Design	2	2009	Maven	2	2015	Oil & Gas Exploration		
Servlets	8	2015				Mapping/Routing		
J2EE	10+	2015	Application Servers			Multi-Media Integration		
EJB	6	2014		years	last used	CRM		
Java Swing	4	2007	JBoss	7	2015	Local Number Portability		
Object Oriented	12+	2015	WebLogic	3	2009	Network Node Managing		
OOA/OOD	5	2009	Tomcat	7	2015	Web Services		
MQ Series	1	2002	Apache	2	2014	Reverse 911 Notification		
Hibernate	4	2013	WLS Portals	1	2009	Logistics Search/Retrieval		
GWT	2	2012	Jetty	1	2013	Document Management		
Spring	2½	2015	Certifications and Training			eDiscovery		
REST WS	2½	2015				Biomass Alternative Energy		
Tapestry	1½	2013	Java Certified			Lab Data Management		
JDBC	10+	2013	C++ Certified			Securities and Exchange		
Mule	1½	2013	Oracle Database Admin			Commercial Web Apps		
Cloud Systems	1	2012				Mobile Apps		
Groovy	½	2014				Payment Gateways		
SOAP WS	2½	2015				Electronic Forms		
						Single Page Apps (SPAs)		

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## Experience In Detail

- Java J2EE Consultant  
May 2014 to Nov 2015
- Contracting Company: CyberSource – Boulder, CO
- Design and development in Agile (Scrum) teams that connect consumers, merchants and issuers with a variety of electronic payment gateway services.  
**Environment:** Java/J2EE, REST WS, PhantomJS, AngularJS, MongoDB, BootstrapJS, SPAs, Spring, Spring Batch, Hibernate, CSS
- Sr Technical Consultant  
Sept 2013 to Feb 2014
- Employing Company: Avoka - Broomfield, CO
- Assisted organizations to transform paper-based and static PDF forms into sophisticated. online and mobile transaction-based forms.  
**Environment:** HTML5, JavaScript, Groovy, Java, REST Web Services, Eclipse.
- Java J2EE Consultant  
Mar 2012 to Sept 2013
- Contracting Company: CyberSource – Boulder, CO
- Design and development in an Agile (Scrum) team that connects consumers, merchants and issuers with a variety of electronic payment gateway services.  
**Environment:** Java/J2EE, EJB, Tapestry, REST Web Services, Mule, Spring, Spring Batch, Hibernate, CSS, Struts 2.
- Java J2EE Consultant  
Dec 2010 to Mar. 2012
- Contracting Company: National Renewable Energy Laboratory – Golden, CO
- Re-design and development of a laboratory data management web application for the parsing and ingestion of generic spreadsheets.  
**Environment:** Java/J2EE, Hibernate, MySQL, GWT, Linux and Windows.
- Java J2EE Consultant  
Mar 2011 to Feb. 2012
- Contracting Company: Corn Cracker LLC – Arvada, CO
- Development of a commercial web app for searching spreadsheets in Java, JSP, and Struts 2.  
**Environment:** Java/J2EE, JSP, Struts 2, JQuery, POI, Hibernate, MySQL, Cloud Systems.
- Java/JSP Consultant  
Dec. 2010 to Jan. 2011
- Contracting Company: ABRH, Inc – Denver, CO
- Created an interface to a web service for employee schedules, time cards, and sales for a Restaurant management company.  
**Environment:** C#, Java/J2EE, SSL, Sockets.
- Java/JSP Consultant  
Nov. 2010
- Contracting Company: SpireMedia, Inc – Denver, CO
- Debugged and updated JSP and Java to comply with Symantec’s website security, Cross-Site Scripting, and SQL Injection prevention rules.  
**Environment:** Java/J2EE, JSP, Struts 2, Spring.
- Java/Sybase Consultant  
July 2010 to Sept. 2010
- Contracting Company: Broadridge Financial Solutions, Inc – Wheat Ridge, CO
- Development and conversion of securities and stock portfolio tracking Back Office software to conform with TARP regulations, including cost basis.  
**Environment:** Java, JDBC, SyBase, stored procedures.
- Java J2EE Consultant  
June 2010
- Contracting Company: National Renewable Energy Laboratory – Golden, CO
- Development of a laboratory data management web application for the parsing and ingestion of generic spreadsheets.  
**Environment:** Java/J2EE, GWT, POI, Hibernate.
- Java J2EE Consultant  
Apr 2010 to May 2010
- Contracting Company: Level 3 Communications – Broomfield, CO
- Development of software for maintaining fiber optic circuits.  
**Environment:** Java/J2EE, EJB, SOAP WS, Linux, MySQL, SQL Server, JBoss, Eclipse.
- Java J2EE Consultant  
Aug 2009 to Apr 2010
- Contracting Company: National Renewable Energy Laboratory – Golden, CO
- Design and development of six laboratory data management web applications for the analysis and information tracking of Biomass material samples and experiments, including spreadsheet ingestion for alternative energy research.  
**Environment:** Java/J2EE, Hibernate, GWT, POI, Linux, Eclipse IDE.
- Senior Software Engineer  
Apr 2006 to May 2009
- Employing Company: Optimus Corporation – Fort Collins, CO
- Team technical lead for the design and development of an eDiscovery SAAS. The service provided the ability to preserve, locate, secure, search, convert, and redact electronic and paper documents for publication for the purpose of court submission.  
**Environment:** Java/J2EE, Servlets, JavaScript, AJAX, JUnit, CruiseControl, WebLogic Portals included java, J2EE, Servlets, JavaScript, AJAX, JUnit, CruiseControl and WebLogic Portals.
  - Technical team lead for the development of a logistics data archival and retrieval system.  
**Environment:** Java/J2EE, Oracle, servlets, JavaScript, AJAX, GWT, C++, JNI, Purify
  - Team lead of a document archiving, search, and retrieval system.  
**Environment:** Java/J2EE, .NET, SOAP WS, C#, servlets, JSP, Junit, Nant, Ant, Purify

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- C# .NET/C++ Consulting Contracting Company: Intrado – Longmont, CO  
May 2005 to Dec 2005
- Development of an interface to a Reverse 911 Notification Calling Platform used to alert recipients of emergencies.  
**Environment:** C# .NET, SOAP WS, C++, SQL Server, Windows XP, Windows 2003.
- Java J2EE Consulting Contracting Company: Hewlett-Packard – Fort Collins, CO  
July 2004 to April 2005
- Development of a Network Node Management product for monitoring and maintaining all hardware devices and software services on a Local Area Network.  
**Environment:** Java/J2EE, C++, JNI, Oracle, XP, Linux, HP-UX, JBuilder, Eclipse, JUnit
- Senior Software Engineer Employing Company: DotCom Computer Consulting – Westminster, CO  
Sept. 2002 to May 2004
- Development of an application for displaying current and historical stock portfolio data. The product was a web-based, multi-tiered, multi-threaded solution.  
**Environment:** C# .NET, Windows, ADO, SQL Server
- Senior Java/C++ Engineer Employing company: eConvergent, Inc. – Longmont, CO  
Aug 2001 to Aug. 2002
- Development of a business product for real-time capturing of customer interactions and data across all CRM and legacy applications into a single view.  
**Environment:** Multi-threading, C++, Solaris, Window NT, Java/J2EE, EJB, WebLogic XML, MQ Series, DOM and SAX parsers.
- Senior Software Engineer Employing Company: DotCom Computer Consulting – Westminster, CO  
Mar. 2001 to July 2001
- Development of a telephone dialer and file transfer utility.  
**Environment:** Multi-threading, Java, Applets, Swing, JNI, NT.
- Software Consultant Contracting Company: MapQuest.com, Denver, CO  
May 2000 to Feb. 2001
- Development of a Java API for producing graphical image overlays on MapQuest Maps on the Client-side and interfaced to customer databases and MapQuest map creation software on the Server-side for Web-based, multi-tiered, business-to-business solutions.  
**Environment:** Java/J2EE, JDBC, Linux, NT, Servlets, EJB, Swing, WebLogic 5.1 & 6.0.
- Software Consultant Contracting Company: US West, Denver, CO  
Sept. 1999 to Feb. 2000
- Design, coding, debugging, and testing of a Web-based, 3-tiered system to manage wholesale telephone service requests.  
**Environment:** Java, C++, CORBA, Sun, Windows.
- Software Consultant Contracting Company: IBM, Boulder, CO  
July 1999 to Sept. 1999
- Design, coding, and testing of a Web-based, airline reservation and trip planning system.  
**Environment:** Java/J2EE, C, JNI, EJB, CORBA, Windows, Sun Solaris.
- Senior Software Engineer Employing Company: DotCom Computer Consulting – Westminster, CO  
Mar. 1997 to Mar. 2000
- Development of an integration middleware used in the automation of Local Number Portability(LNP).  
**Environment:** Java/J2EE, EJB, JBoss, CORBA, SOAP WS, JMS, SQL Server, C# .Net, Linux, XP.
  - Development of a Swing Java application to provide data manipulation of satellite imagery using mathematical formulas and reference areas of interest retrieved from a database.  
**Environment:** Java/J2EE, Swing, JAI, JDBC, multi-threading, SQL Server.
  - Development of a web-based, client-server product to provide a browser driven locator, map creation, and text-to-speech utility.  
**Environment:** Java/J2EE, Applets, Sockets, JDBC, SSL.
  - Development of a web-based, client-server product to provide a browser driven remote telephone dialer capability through a PBX switch.  
**Environment:** Java/J2EE, Applets, C/C++, JNI, PBX DLL driver.
  - Development of a server side implementation of a Web-based check re-ordering system.  
**Environment:** Java/J2EE, CORBA, Windows NT.
  - Developed a provision mapping and cable tracking system.  
**Environment:** Java/J2EE, C/C++, JNI.
- Software Engineering Various Employing Companies: 13 years of experience prior to 1997, details on request.

## Education

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B.A. in Math and Computer Science  
Studies in Math and Engineering

University of Colorado, Boulder, Colorado  
Cornell University, Ithaca, New York

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