

James W. Albersheim

(303)-263-3526

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Career Summary

I work primarily with Java/J2EE, REST Web Services, Spring, Spring Boot, JavaScript, React, and SQL on MAC OS, Unix, Linux, Windows, and mobile operating systems.

Skills Distribution

Summary			Programming Languages			Operating Systems		
BA in Math and Computer Science				years	last used		years	last used
Over 25 years Professional Experience			Java	22	2018	UNIX platforms	15	2015
Over 20 years software consulting			J2EE	15	2018	Sun OS	9	2000
Over 7 years technical lead roles			C#	5	2010	Linux	10	2018
			React	2½	2018	Windows	15	2015
			Go	—	2018	MAC OS	2½	2018
Databases			Development Environments			Unit Testing Tools		
	years	last used		years	last used		years	last used
Oracle	12	2018	Visual Studio	6	2011	JUnit	8	2018
MySQL	7	2018	Eclipse	7	2015	SOATest	3	2015
SQL Server	3	2010	WL Workshop	1	2009	Jasmine	2	2018
MongoDB	½	2017	IntelliJ	2½	2018	Ruby	2	2018
Scripting/Frameworks			Software Revision Tools			Industries/Applications		
	years	last used			last used			
HTML/XML	8	2018	SourceSafe		2011	Plotter Drivers		
Javascript	8	2018	Accurev		2015	GUI Design/Development		
JSON	4	2018	Subversion		2015	GIS		
Angular.JS	½	2015	Git		2018	Telecommunications		
React/Redux	2½	2018				Telephony		
Libraries and Technologies			Software Build Tools					
	years	last used		years	last used			
Sockets/Web Sockets	3	2018	Ant	6	2014	Security Systems		
AJAX	6	2013	Jenkins	4	2018	Health/Patient Information		
Struts	2	2015	Maven	3	2018	Satellite Imagery		
Visio Design	2	2009	Gradle	3	2018	Airline/Travel Reservations		
J2EE	15	2018	Gitlab-ci	½	2018	Internet E-Commerce		
EJB	6	2015				Oil & Gas Exploration		
Java Swing	4	2007				Mapping/Routing		
Object Oriented	25+	2018				Multi-Media Integration		
OOA/OOD	5	2009				CRM		
Hibernate	5	2015				Local Number Portability		
GWT	3	2015				Network Node Managing		
Spring	5	2018				Web Services		
REST WS	7	2018				Reverse 911 Notification		
SOAP WS	1½	2018				Logistics Search/Retrieval		
Tapestry	2½	2015				Document Management		
JDBC	10	2015				eDiscovery		
Mule	2½	2015				Biomass Alternative Energy		
Cloud Deployments	3½	2018				Lab Data Management		
Spring Boot	2½	2018				Securities and Exchange		
AWS	1½	2017				Commercial Web Apps		
JPA	2	2018				Mobile Apps		
Agile	5	2018				Payment Gateways		
Node.JS	—	2018				Electronic Forms		
			Application Servers					
				years	last used			
				JBoss	8	2015	Single Page Apps(SPAs)	
				WebLogic	3	2009	Customer Service Apps	
				Tomcat	7	2015	Paired Programming	
				Spring Boot	2½	2018		
				WLS Portals	1	2009		
				Jetty	1	2015		
				CloudFoundry	2	2017		
				Rancher/Docker	1	2018		
			Certifications and Training					
				Java Certified				
				C++ Certified				
				Oracle Database Admin				
				Galvanize Cloud Essentials				
				Galvanize React/Redux				

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Experience In Detail

- Principal Software Engineer
Mar 2016 to Nov 2018
Employing Company: Dish Network – Denver, CO
* Development of a browser-based web app that provides support for customer service agents to place TV content orders, take payments, and provide maintenance of customer accounts.
Environment: Java REST web services, Spring Boot, React, Jenkins, Payments, AWS, Paired
- Java J2EE Consultant
Nov 2015 to Dec 2015
Employing Company: BillHero, Inc. – Fort Collins, CO
* Development of a mobile app to split rent and other bills with roommates, automatically collecting the money, and paying billers direct.
Environment: Java/J2EE, REST WS, Hibernate, Amazon Web Services, AWS, Gradle, Git.
- 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, Phantom.JS, Angular.JS, MongoDB, Tapestry, Mule, SPAs, Spring, Spring Batch, Spring Boot, Hibernate, CSS, HTML, AWS, Payment gateways
- 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, REST WS, Phantom.JS, Angular.JS, MongoDB, Tapestry, Mule, SPAs, Spring, Spring Batch, Spring Boot, Hibernate, CSS, HTML, AWS, Payment gateways
- 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 laboratory data management web apps for the parsing 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
* Development of six laboratory data management web applications for the analysis and tracking of Biomass 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.

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- 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
Contracting Company: Intrado – Longmont, CO
 - * 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.
Contracting Company: Hewlett-Packard – Fort Collins, CO
 - * 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, HPUX, JBuilder, Eclipse, JUnit
Employing Company: DotCom Computer Consulting – Westminster, CO
 - * 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
Employing company: eConvergent, Inc. – Longmont, CO
 - * 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.
Employing Company: DotCom Computer Consulting – Westminster, CO
 - * Development of a telephone dialer and file transfer utility.
Environment: Multi-threading, Java, Applets, Swing, JNI, NT.
Contracting Company: MapQuest.com, Denver, CO
 - * Development of an API for adding graphical overlays of customer data on MapQuest Maps Web-based, multi-tiered, business-to-business solution.
Environment: Java/J2EE, JDBC, Linux, NT, Servlets, EJB, Swing, WebLogic 5.1 & 6.0.
Contracting Company: US West, Denver, CO
 - * Development of a Web-based, 3-tiered system to manage telephone service requests.
Environment: Java, C++, CORBA, Sun, Windows.
Contracting Company: IBM, Boulder, CO
 - * Development of a Web-based, airline reservation and trip planning system.
Environment: Java/J2EE, C, JNI, EJB, CORBA, Windows, Sun Solaris.
Employing Company: DotCom Computer Consulting – Westminster, CO
 - * Development of a middleware used for 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 app to provide a locator map 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

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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