

David Adkins

Senior Software Engineer

Shamong, NJ - Email me on Indeed: [indeed.com/r/David-Adkins/24a8a45d2ee3fb61](https://www.indeed.com/r/David-Adkins/24a8a45d2ee3fb61)

SENIOR SOFTWARE DEVELOPER, TEAM LEAD AND PROJECT MANAGER

Driven Software Engineer experienced in developing innovative applications for industry leaders. Expertise in the initial architecture, development, testing, implementation, and troubleshooting for delivery of leading-edge technologies.

- * Offer a background of 20+ years and a record of success creating high-performing applications, enhancements, and features that interface with various systems, simplify processes, and resolve complex problems.
- * Leverage expertise in Java J2EE Technologies programming and experience in agile environments.
- * Served in several lead roles, ensuring the successful delivery of applications on time while within budget.
- * Equally adept as an individual contributor and team player with a keen focus on quality, timeliness, and ongoing improvement.

WORK EXPERIENCE

Senior Software Engineer

EBAY ENTERPRISE - King of Prussia, PA - 2013 to 2016

Held a key role in the development of integral applications, software components and services to reduce analysis of reported issues and drive productivity. Developed and documented software enhancements while collaborating with the Product and Services teams to improve processes and prevent recurring errors. Set up Centos Linux in VMWare instances to troubleshoot reported issues with partner sites which included the full configuration of Intershop site including Oracle Database setup and importing data dumps of production data using data pump to reproduce issues. Setup Mobile angular application configured to go through Mule ESB to back end Intershop application soap web service.

- * Spearheaded the development of a tool to address Epicor integration issues, improving data integrity by providing better method to recognize and accurately parse and catalog application logs. Identified root cause of issue and provided resolution updating over 1 million records in partners Web Store Database.
- * Designed and implemented a framework which cut the triage of errors by over 50% as well as produced key analytics to quantify all errors, giving exact reasons for each error.
- * Instrumental in improving software quality for Sterling OMS issues, identifying root cause that caused inventory events not being published and of order discrepancies impacting overall customer satisfaction and brand loyalty; developed a solution which will directly increase revenues by ensuring accurate listings.
- * Discovered payment service issues with credit cards, presented problem to key stakeholders and devised a solution that minimized customer complaints that utilized reward programs and coupons in conjunction with credit cards.
- * Identified and remedied cause of Solr Search Index data discrepancies with Source Data from Database alleviating customer service issues impacting revenue; saving hundreds of programming man hours.

Senior Software Engineer

FRONT PORCH DIGITAL - Mount Laurel, NJ - 2011 to 2013

Contributed to all aspects of software development while working within a collaborative agile team. Developed core Java applications to better serve customers and provide integral support to resolve software problems.

Served as a lead on database projects, creating a simpler, cleaner implementation by using Hibernate ORM rather than an in house built ORM Developed a DIVA Automated deployment and testing application designed in Java, using an XML configuration to deploy, initiate and test applications in Amazon AWS cloud solution

- * Provided critical backup services for the DIVA system using an Oracle database - monitored backups and metadata (flat files) which also monitored all CPU and Disk Space utilization. This improvement greatly increased customer service by introducing a messaging system to clients notifying them that they were at maximizes capacity.

- * Designed and developed a java based application to schedule and monitoring oracle RMAN backups and backup ups of proprietary metadata files application which provided ability to send out e-mail notifications to multiple recipients for critical errors. Utilized RSYNC to push backup files to remote servers launched through the Java application.

- * Decoupled the system - it was originally built on TCP sockets, each client had individual connections which created scattering and errors: Introduced message brokers to publish system status allowing those interested to subscribe reducing over stress on the Diva System. Built the system in an agile team environment introducing hibernate as a light weight database layer allowing more efficient queries and transactional inserts and updates to Oracle 11g databases.

Senior Architect/Programmer

NEW JERSEY STATE POLICE - West Trenton, NJ - 1998 to 2011

Developed core business web-based Java applications in support of a 24/7 public safety organization which increased productivity of the police while improving the accuracy and reliability of critical data. Pursued technology initiatives to streamline business processes, improve response time and strengthen information quality.

- * Appointed as Project Manager for the state police side of the Red Light & Electronic Summons Project, enabling significant process automation that reduced administrative tasks for officers to focus more on field needs.

- Created an interface (WebSphere ESB and MQ) allowing police to enter data once automatically replicating over to other systems including the Records Management System (RMS).

- Architected systems, which were adopted throughout the state, including new ticketing system that alleviated task of officers having to deliver paper tickets in-person.

- * Architected and developed an E-Ticketing (Electronic Summon Submission System and Gate Way) using Java, Hibernate, Oracle 10g Database, IBM MQ Series and IBM Enterprise Service Bus (ESB).

- * Designed and developed the NJTR-1 (New Jersey Traffic Report/Crash Report) using Java, Spring/ Hibernate, Oracle 10g, Adobe Air which streamlined critical processes including allowing the completion of accident reports in the patrol car, improved communication through Soap service on a Web Logic application server.

- * Designed and implemented an interface to a third party CAD System providing real time information used to accurately complete accident reports, relieving officers from having to key information captured in other systems - system allowed all information to be captured on the initial dispatch which reduced redundancies and also allowed the officer to complete the summons at a more optimal time.

- * Spearheaded state-wide deployment of the RDDB (Resource Directory Database) asset management system (developed in ArcIMS, Web Services, Top-Link, Oracle 10g, Sun-Portal gateway), enabling tracking and availability of all equipment and inventory; this was the first ever computerized directory of critical assets used to plan for/respond to emergencies.

- * Served as the lead on the NCIC 2000 project used for fingerprinting - this was the first in the US to use this system to submit fingerprints. Integrated the Federal Bureau of Investigations C++ libraries to manage fingerprint data and attached to NCIC records and to query national database (NCIC) for wanted persons. Built interface to capture and format mug shots and identify markings to NCIC specifications for submission to NCIC database.

* Instrumental in the development of the DIVR (Digital In-vehicle Video Recorder project) - utilized a third party integrator which produced equipment and software that went into cars to capture video. Lead on the design and development of the CRABSWS (CAD & RMS Abstract Web Service) which matched DIVR (digital in vehicle recorders video clips) to CAD incidents and set retention periods for the data. Developed Java applications to process incoming videos, architected and developed this on a web based platform to provide interface for retrieving and viewing motor Vehicle stop videos. Created an API that detected the videos and automatically tagged the video with CAD systems and tied this into the RMS to reduce any redundancies and saved time matching up records.

* Led design and development of RMS2G0 (Mobile Records Management Reporting System), enabling New Jersey to first in the nation to capture/submit fingerprints for query from a mobile application; designed in Java, XML, and IBM MQ-Series.

- Integrated barcode scanning using custom C++ libraries, enabling capture of registration and driver's license information from provided documents.

- Facilitated capture of GPS data and associated with reports for analysis, report retrieval for editing, and submission.

* Created a reporting system: MAPPS (Management Awareness Personnel Performance System) to document RMS/CAD records; utilized a third-party tool to analyze the data. Created a critical data warehouse and analysis system for NJ State Police compliance with federal and state requirements.

* Captured images and provided application (visual) to print out ID cards for the NJSP Human Resource Management System.

* Designed and integrated the image storage inside an Oracle Database and enabled access to these photos through a statewide web application and web service as the lead for the Sex Offender Public Registry System.

EDUCATION

Diploma in Computer Programming

The Chubb Institute

Electronics and Data Processing Systems

New Jersey and Oregon State

LINKS

<https://www.linkedin.com/in/davidladkinssoftwareengineer>

ADDITIONAL INFORMATION

Key Skills:

Software Design & Development ? Project Life Cycle ? Object Oriented Analysis

Research ? Coding ? Documentation ? Test Planning ? Debugging ? Defect Management

Technical Skills

Languages: Java J2EE, Intershop platform, Adobe Action Scripting, Flex, JavaScript; DOJO, AJAX and JQUERY, Angular, HTML, Visual Basic/VBA, PHP, Python, IBM E-SQL,C, C++ Cobol, and CISCs, XSL/XML

Databases: Oracle 8i to12g, DB2, Fox Pro, MS Access, Microsoft SQL Server, Cassandra NoSQL

Middleware: Hibernate, Top-Link, Struts, Spring, IBM WebSphere; ESB, Message Broker, Message Flow, Mule ESB, ArcIMS & ArcGIS Server (ESRI Mapping integration software), RabbitMQ, ActiveMQ, SonicMQ

Third Party: Apache Solr, Apache ZooKeeper, Epicor, Facebook, Omniture

Tools: Jdeveloper, Eclipse, Weblogic Workshop, Maven, Java, ANT, Jenkins, Together Soft, Rational Rose, Toad (Oracle optimizer tool) Visual Interdev, Visual Studio, Crystal Reports, Oracle Reports, SVN
Servers: Oracle Application Server, Oracle Weblogic Server, Apache, Tomcat, WSO2, Amazon (AWS), Apache, VMWare