KEVIN DEAN

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SUMMARY

Mr. Kevin Dean is a Senior Software Engineer currently working on a government contract for DHS. Mr. Dean possesses DOD Top Secret, DHS CBP BI, and VA clearances and has over 17 years of experience in all phases of the software development life cycle. He has 12 years of experience in Java/J2EE enterprise implementations. Additionally he has, 5 years of experience in operations and support, which provided him exposure to a variety of programming languages, operating systems, databases, and change management tools. His core competencies include system analysis and design, agile development methodology, and Java/J2EE application development. Mr. Dean possesses a Bachelor's in Finance from the University of Virginia and a Masters in Computer Science from George Mason University.

HIGHLIGHTS

- Rapid Application Development (Agile)
- Optimization of code to improve performance
- Proficient in Java EE web technologies
- Intermediate level PHP developer
- Exposure to Open Source Python web application

- Adept at implementing new technologies.
- Created JAX-(RPC, WS, RS) Web Services
- Extensive experience with Google Technologies
- Deployed to AWS EC2 and utilized Cloudwatch
- Apache Kafka, MySQL, and Elastic Search

ACCOMPLISHMENTS

- Implemented 5 complete prototype solutions for different customers (Government, Startup, Fortune 500, and Midsize) between Summer 2014 - Spring 2015.
- Extensive optimization of Geocoding application, to minimize external service calls, increase code reuse, implement failover, and centralize the Geocoding service.
- Reduced overall transaction time by 50% and increase throughput by 100% for high volume application by careful refactoring of threads, transactions, and business logic.
- Created a Wordpress site which is auto updated via PHP script that calls a Web Service which returns XML, based on the parsed XML, the site is updated accordingly.

EXPERIENCE

LKD TECHNOLOGY SOLUTIONS

Senior Software Engineer   11/2011 to Current

- Created a Java stand-alone program that connects to a Sonar Server to retrieve the list of issues for a project and automate the fixes based on Sonar findings. The program had custom algorithms and unit test cases for every issue it could resolve.
- Worked on a team to create a new web application by customizing the EXO framework, utilizing jQuery, and Restful Web Services. Several complex work-flows, select all across paginated grid, email based on selections and utilized multi-threading to improve performance.
- Worked on back-end team to create a Java web application which monitors Big Data system performance and utilization. Reports can be generated on-demand for a given time frame. Prototyped using Apache Kafka and ElasticSearch as a way to improve performance of the application.
- Created a Prototype CRUD application using HighCharts, jQuery, Bootstrap, JAX-RS, and MySQL which will be used by scientists to track Deer Herd populations for a given area. The application replaces a manual process to perform the same functionality.
- Developed web application with ExtJS4, Spring, and JPA to provide diagnostic capabilities for an existing airline passenger screening application. The diagnostic utility is one mechanism to research system performance and accuracy.
- Developed ExtJS4 application to manage reports, users, and email distribution lists. The application included Secure Login and LDAP service hook. All grids were drag and drop enabled, row level checkboxes and dropdowns. Reports to be downloaded into Excel and synced with Calendar to see reports for a given day.
- Created an Address Matching application to assist with airline passenger screening. This system utilized JAX-RS, EJB 3, JPA, Google Maps API, and Bing Maps. Highly configurable system where the address engine can be easily replaced if needed.
- Created the back-end Passenger Screening application for Land and Air travelers both entering and exiting the US Border. High volume system with low latency (10 second processing time) and several proprietary algorithms to determine matches. System utilizes IBM MQ, Oracle AQ, EJB's (MDB, Entity, and Session Beans), and Web

Services.

- Worked on complex Prototype application to be used by the US Department of Veterans Affairs as a comprehensive Chemotherapy Order Management System. Custom PHP MVC framework as the backend, ExtJS 4 as the UI, could be deployed to either IIS or Apache, and use either MySQL or MS SQL Server.
- Created a Sencha GXT based application with Spring MVC and Hibernate as the backend to be presented to the Environmental Protection Agency. The application consisted of several workflows and allowed for dynamic query generation based on UI selections. The generated query called an Oracle SP, presented results in a Grid, and allowed option for download to Excel.

DYNAMICS RESEARCH CORPORATION

Senior Software Engineer   04/2011 to 11/2011

- Worked on a team of 20 (Developers, Testers, and Business Analysts) as a Software Engineer for a complex Task Management system.
- Implemented a messaging system utilizing JMS, Active MQ, and Java Mail to send emails with attachments to multiple recipients.
- Created a load testing tool in order to stress test Documentum Content Server.
- Upgrade all GWT application components from GWT 1.5 to GWT 2.2; Maven plugins and deprecated classes, fix compile errors, and organize dependency hierarchy.
- Improved development environment to use GWT Eclipse plugin to enable hosted mode (local) debugging of the GWT code. Using the GWT 2.2 plugin allows debugging in any supported browser.
- Created a stripped down database (with no PII) that could be deployed to local developer machines to enable remote development.
- Developed a Prototype Android mobile application. This was a location based application which used Google Maps API, included 6 Activities, and custom theming.

THE SQUIRES GROUP INC

Senior Software Engineer   10/2010 to 04/2011

- Worked on a team of 5 Developers to build an application used by the Joint Chiefs of Staff to manage and allocate resources.
- The application was based on Sencha GXT as the UI and Spring and Hibernate as the backend. Added several new screens, refactored existing code to improve efficiency, and modified Maven build script to auto deploy the WAR to Jboss on Amazon EC2 instance.
- Integrated Velocity Engine to auto generate XML dynamically.
- Implemented Hibernate caching strategies to improve performance.

PRINCETON INFORMATION

Software Engineer   02/2010 to 10/2010

- Upgraded 13 Java Applications from Weblogic 8 to 10, JDK from 1.4 to 1.6, Sybase 10 to Sybase 12.5.
- Transitioned all Java applications to be developed, deployed, and built from within Eclipse IDE.
- Converted existing manual processes based on Excel and MS Access to automated Java applications that were added to Autosys as file watcher jobs.
- Updated existing Java Swing application to enable downloading of reports into Excel.
- Served as Technical liaison between Senior Architects, DBA's, Developers, and Business Analysts to coordinate development efforts.

IBM

Software Engineer   02/2007 to 02/2010

- Designed and developed a Geocode HTTP Service (GHS). GHS accepts and prioritizes asynchronous calls from clients, makes synchronous calls to Google Maps WS, provides notification to clients when address geocoding is complete.
- Created a Quartz job that is based on a Semaphore structure that stores the lock in a database table. Job will run every 20 minutes if the lock is available. If a previous job is still running then it will wait. Purpose of job is to contact GHS, update records, and send an email with number of records updated.
- Configured an Amazon AMI to create an EC2 instance with an IP endpoint and EBS Volume to demonstrate a cloud based JEE application to the USPS.

PERCEPTRONICS

Java Developer   01/2006 to 06/2006

- Worked on Java Swing application that interacted with OneSaf (a battlefield simulation environment) and tracked

various user events.
- Events were mutlicast to listeners which would (track metrics, generate reports, or update UI).

EDUCATION

MASTER OF SCIENCE: COMPUTER SCIENCE   2007
George Mason University
School of Information Technology and Engineering

BACHELOR OF SCIENCE: FINANCE   1997
University of Virginia
McIntire School of Commerce

SKILLS

Languages - Java, Javascript, PHP, C++, SQL, Visual Basic
Mobile Development - Android SDK, Sencha Touch, Cordova, ionic framework.
Web Development - Spring Boot, Spring MVC, Hibernate, Eclipselink, jQuery, JSP, ExtJS, JMS, GWT, GXT, PHP.
Application and Web Servers - Weblogic, JBoss, OC4J, Tomcat, Apache, IIS.
Database - Oracle, MySQL, MS SQL Server, Sybase, H2
IDE - IntelliJ, Eclipse, Netbeans, Ext Designer, SQL Developer
Version Control - Git, SVN, CVS, Clearcase, Sourcesafe
Build Tools - Maven, Ant
Search Framework - Lucene, ElasticSearch
Messaging - IBM MQ, Oracle AQ, Active MQ, Apache Kafka
Javascript Framework - ExtJS, AngularJS, NodeJS, Yeoman, Bootsrap