

DARRYL WHITEHEAD

P.O. BOX 150061
ALEXANDRIA, VA. 22

EDUCATION

Hampton University
Bachelor of Science
Computer Science

Clearance

Active MBI

Computer Languages

Java, Java EE / Jakarta EE, Python, PHP, C, C++, Perl, C#, COBOL

Cloud

Amazon EC2

Web Programming (Client Side)

HTML, CSS, Bootstrap, Javascript, jQuery, AJAX, JavaFX, AngularJS, node.js

Web Programming (Server Side)

Java/JavaEE/JakartaEE, JSF (JavaServer Faces), JSP, Servlets, Spring Boot, Spring MVC, Spring REST, Spring Security, Hibernate, JPA, EJB, PHP, Perl, C/C++, XML, JSON

Servers

Tomcat, JBoss/WildFly, Jetty, IBM WebSphere, Oracle WebLogic

Databases

Oracle, PostgreSQL, SQL Server, MySQL, MongoDB

Messaging Services

Kafka, JMS

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Project Tools

Maven, Git, GitHub

Operation Systems/Servers

Windows, Linux, IBM z/OS, DOS, MAC OS

Computer Systems

IBM z16, PC, MAC

Virtual Machines / Container

Docker, Kubernetes, Virtual Box, VMWare

RELEVANT EXPERIENCE

Darryl Whitehead LLC / Commercial / Classified Contracts – 02/2012 – Current

- Designed high-performance RESTful APIs and background workers in Java to handle order state transitions and transactional integrity. Used Java, Spring Boot, Spring Web, Spring Security, JPA, Apache Kafka, PostgreSQL, Docker and Kubernetes.

- Built producer/consumer microservices in Java to evaluate incoming transactions business transactions for client inventory. Used Java, Spring Boot, Spring Web, Spring Security, Apache Kafka, PostgreSQL and Docker.

- Created a U.S. Customs and Border Patrol biometric application. This application was created using Java/JEE, JSF, Spring Boot, Spring MVC, Spring Security, Spring Rest, JPA and Hibernate.
- Built a Congressional budgeting online application that allows the various government agencies to present their budget to Congress, with unified, standard forms. The application was created using Java/J2EE, GWT (Google Webtoolkit), JBoss, and Oracle database.
- Created an online Federal Aviation Administration (FAA) application that allows users to input their temporary or permanent aeronautical obstructions (i.e. buildings, windmills, towers, cranes used in construction, etc.). The application allows the user to also check the status of their application with the FAA. This project used Java/J2EE, Spring MVC, JBoss, Hibernate, Twitter Bootstrap, Amazon EC2 and Oracle database.
- Worked on the upgrading of U.S. Customs and Border Patrol CTPAT online application. This allowed for import companies to be considered low risk, resulting in expedited processing of their cargo, including fewer Customs examinations. This application uses WebLogic, HTML, jQuery, JSP, JEE6 Servlets, JPA / Hibernate and Oracle.
- Creating a nationwide enterprise application for the Association of American Medical Colleges which allows medical students to check their MCAT (Medical College Admissions Test) results. This project uses WebLogic, Tomcat, AngularJS, Bootstrap, node.js, Spring MVC, Spring Restful, Spring Security, Spring AOP, Hibernate, Tomcat and Oracle.
- Converted the Department of Homeland Security VISA expiration application built using Access to a JavaFX desktop application with MongoDB as the database.
- Converted a Ruby on Rails web application that is an online training application that prints out PDF certificate to Java web application using Java, Bootstrap, Spring Boot, Spring MVC and SQL Server.
- Designed Big Data accounting and reporting solutions for Fannie Mae, for petabytes of financial data. This project was done using MySQL, HiveQL, and Hadoop / Hortonworks.

Darryl Whitehead LLC - IRS Contract – 03/16-4/26

TEAM LEAD / LEAD DEVELOPER / SENIOR J2EE PROGRAMMER

- Created a data comparison application for the Internal Revenue Service. It compares IMF data to TIF (Taxpayer Information File) data retrieved and processed from the IRS CADE2 database. This is part of the IRS modernization project. This is designed using Java, JEE6, JBoss, JUnit and DB2.
- Modernized the IRS Individual Tax Processing Engine (ITPE) from assembly language to Java. The tax system was outdated and was modernized to now process individual taxes more efficiently. This project used Java, Spring Boot, Log4J and IBM VSAM data files.
- Held ongoing meetings with IRS sections and stakeholders. Duties include getting servers built, implementing coding standards, writing documentation, working with IRS management in solving application and environment issues, consulting on various IRS projects and writing server configurations for various IRS projects.
- Modernized the IRS revenue agent desktop COBOL program to a web-based application using a relational database. This application assists revenue agents with their territorial workload. This application is designed using JBoss, Spring MVC, Spring Data JPA, Hibernate, JSP, Bootstrap and Oracle database.
- Implemented security scanning using AppScan for all code developed by our team.

REFERENCES

Available upon request