

J E F F R E Y L . L A V E Z Z O

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Professional Experience:

LEAD SOFTWARE ENGINEER

September 2014 to present - Leidos Biomedical Research, Inc., Virginia

- As part of the National Cancer Institute's Center for Biomedical Informatics and Information Technology (CBIIT), led team continuing work on the Cancer Data Standards Registry and Repository (caDSR), an international ISO11179 metadata management system for cancer research clinical trials data.
- Resolved engineering problems holding back the release of new versions of several caDSR tools.
- Designed and led the development of a complete rewrite of the oldest of the caDSR tools, CDE Browser, using AngularJS and a web services layer.

LEAD SOFTWARE ENGINEER

September 2013 to September 2014 - Leidos, Virginia

July 2011 to September 2013 - Science Applications International Corporation (SAIC), Virginia

- Led team delivering the AIMES video analytics server software to DOD, law enforcement and border security customers that incorporates advanced data mining, geospatial processing and an open API.
- Extended the AIMES Enterprise Service Bus to accept data from and send data to third-party systems, transforming heterogeneous XML messages with XSLT and other technologies.
- Developed AIMES Mobile Android client supporting map-based exploitation of video metadata and video playback on mobile devices over WiFi, 4G cellular and military radio.
- Developed cross-platform automated installers for AIMES system components.
- Managed and supervised team of software engineers to ensure responsive delivery of high quality server system.

SOFTWARE ENGINEER

December 2004 to July 2011 - Science Applications International Corporation (SAIC), Virginia

- Collaborated in the creation of a new GIS application, HUB, which leveraged several Open Source projects including GeoServer, OpenLayers and the Grails framework resulting in an initial customer delivery within four months of project inception.
- Assisted in the development of new features in Champion, a workflow management and data mining tool for military intelligence that includes sophisticated GIS and web services components.

- Maintained and extended Pathfinder, a widely deployed web-based intelligence analysis application. Over Pathfinder's more than 15 years of life, it has accumulated components in many relevant programming languages. Supporting Pathfinder means working with HTML, C, C++, PHP, Perl, JavaScript, Java, Swing, SQL, XML, sed and bash.
- Developed JSR 168 compliant Java Portlets on the Pathfinder Web Services for use in the GDIP Community Enterprise Portal (E-Portal). These portlets also form the basis of the Pathfinder's contribution to the DCGS-A Portal.

SOFTWARE ENGINEER

May 1999 to December 2004, *ScholarOne, Inc.*, Virginia

- Designed and developed new features, upgrades, and configuration tools for enterprise Internet applications in PHP, Perl and Java.
- Led team of programmers on several version releases.
- Worked with Project Managers and Product Marketing to design software enhancements. Built reporting, export, and search functions in PHP, MySQL, Perl, and XML.

ARCHITECTURAL DRAFTSMAN

October 1997 to Jan 1999, *Austin Patterson Disston Architects*, Connecticut

PEACE CORPS DEVELOPMENT EXTENSION AGENT

July 1996 to July 1997, U.S. Peace Corps, Republic of Congo - Brazzaville

Primary Technical Expertise: Java, JBoss, Postgres/PostGIS, Spring, Web Services, XML

Education:

Bachelors of Science, University of Virginia (1996)

Java2 Certification Course, Piedmont Virginia Community College (2001)