

JASON EUGENE FABRITZ

3910 ILFORD RD

SILVER SPRING MD 20906

301 933-4440

(<http://www.bugbytes.com/jasonf/resume.html>)

PROFESSIONAL EXPERIENCE

Professional software designer and developer with a breadth of experience supporting commercial, government, laboratory and university entities building desktop and web based software systems.

Johns Hopkins University Applied Physics Laboratory Senior Professional Staff

**Laurel, MD
May 2008 – Present**

As a software developer, designed and implemented solutions for internal customers and external sponsors leveraging a variety of technologies including .NET, WPF, ASP.NET/MVC, SQL Server, JavaScript, Java, HTML, CSS and XSLT. Assisted in other capacities such as establishing automated continuous build systems, mentored test driven development techniques and scrum backlog maintenance and tracking. Major projects include:

- ASK4BIO Website (Front end Designer/Developer)
- Domestic Nuclear Detection Office (DNDO) Algorithm Test Bed (Software Developer)
- DNDO Archive and Retrieval Management System (Team Lead, Designer/Developer)
- Independent Research and Development Call for Proposals Website (Designer Lead/Developer)
- JHU/APL Customer Photograph Proofing Application and Website (Designer/Developer)
- JHU/APL Information Technology Active Directory Account Management Tool (Designer/Developer)
- Joint IED Defeat Organization Integrated Signatures Program (User Interface Developer)
- Joint Intelligence Preparation of the Operational Environment (Front end Designer/Developer)
- TSA/TTAC IT Modernization Project (Software Developer/Systems Engineer)
- Wideband SATCOM Operational Management System RMCE Phase II (Software Developer)

BugBytes, Inc President and Owner

**Silver Spring, MD
July 1996 – Present.**

Founder and owner of BugBytes, Inc, a small corporation that publishes a select handful of software titles and provides software consulting services leveraging Microsoft and Java technologies. Major projects include:

- Flash Cards Windows 8 Store Application (BugBytes, Inc, 2012)
- Automobile Loan Application Processing System (Falcon Data, Silver Spring, MD, 2011)
- Network Alarm Management System (OutPost Sentinel, Alpharetta, GA, 2004-2007)
- Fisheries Scientific Computing System (NOAA, Silver Spring, MD, 2003-2005)
- User Tools for Network Device (OutPost Sentinel, Alpharetta, GA, 2002-2004)
- Near Real-Time Ship Mapping and Information Display (NOAA, Silver Spring, MD, 2003-2004)
- Retainer (Kada Research, Inc. Stafford, TX, 2001-2002)
- Conveyance System Cost Estimation Software (King County, Seattle, WA, 2000-2002)
- Customer Comment Data Entry Program (Pierce County Transit, Pierce County, WA, 1998-1999)
- Column Study (BugBytes, Inc, 1997)
- Bugs Scratchpad (BugBytes, Inc, 1996)

**Applied Information Sciences
Designer/Developer**

**Reston, VA
June 2005 – May 2008**

As a software consultant, designed and implemented custom solutions for customers utilizing Microsoft technologies including .NET, ASP.NET, InfoPath, SharePoint, SQL Server and Reporting Services.

Major projects include:

- Federal Bureau of Investigations Paperless Forms Management System (SharePoint Developer)
- Financial Industry Regulatory Authority Case Management System (Middle Tier Designer/Developer)
- Internal InfoPath, SharePoint and BizTalk integration prototype (Software Developer)

**University of Washington
Joint Institute for the Study of the Atmosphere and Ocean
Research Consultant**

Seattle, WA

July 2000 – September 2003

As a research consultant, designed and implemented software solutions to scientific and administrative challenges within the National Oceanic & Atmospheric Administration using Java, ArcIMS, .NET, SQL Server, MySQL, ASP, Visual Basic, Access, Cocoon 2.0, XSLT and HTML technologies. Major projects include:

- Beluga Whale Tracking and Web Display (Designer/Developer)
- Geographical Information System Tools (Software Developer)
- Financial Database Management System Principal Investigator Web Reports (Designer/Developer)
- Financial Database Management System Rollup Reports (Designer/Developer)
- Geographic Data Committee Automated Metadata Generation Framework (Software Developer)
- Near Real-time ship mapping and information display (Designer/Developer)

Additional Employment

- Software Engineer: AXC Interactive/Network Commerce, Seattle, WA (May 1999 - July 2000)
- Post Masters Graduate Student: University of Washington, Dept. of Civil & Environmental Engineering, Seattle, WA (August 1997 - May 1999)
- Junior Engineer: Brown & Caldwell Engineering, Seattle, WA (June 1995 - July 1997)
- Masters Graduate Student: University of Washington, Dept. of Civil & Environmental Engineering, Seattle, WA (August 1992 - May 1995)
- Junior Engineer: Harza Environmental Services, Chicago, IL (Summer 1992)
- Summer Intern: Sandia National Laboratories, Albuquerque, NM (Summer 1991)

COMMUNITY PRESENTATIONS

KineticJS: Rockville .NET User Group, Rockville, MD, August 2012

LightSwitch: Central Maryland Association of .NET Professionals Fall Code Camp, November 2011

LightSwitch: Rockville .NET User Group, Rockville, MD, September 2011

Silverlight Business Applications: Rockville .NET User Group, Rockville, MD, November 2010

Silverlight Business Applications: Capitol Area Silverlight Study Group, Laurel, MD, October 2010

Attributes in .NET: Rockville .NET User Group, Rockville, MD, Spring 2009

Use Attributes to build an ORM in .NET: Northern Virginia Code Camp, Reston, VA, June 2006

InfoPath and BizTalk: Rockville WinProTeam .NET User Group, Rockville, MD, November 2005

HTML from XSLT: XML User's Group, Redmond, WA, December 1999

EDUCATION

University of Iowa - B.S., Civil Engineering, 1992, Magna Cum Laude

University of Washington - M.S., Civil Engineering, 1995

University of Washington - National Science Foundation Fellow 1992-1994, 1996

CERTIFICATIONS

Certified SCRUM Master (2009)

Microsoft Certified Technology Specialist (2007)

Microsoft Certified Solution Developer (ID: 3448471) (2006)

Java Programming Certificate, University of Washington Extension (2000)

C++ Programming Certificate, University of Washington Extension (1995)

CONTINUING EDUCATION

Recent Training: Windows 8 Development Camps, Sencha ExtJS

Frequently attended training opportunities: Devscovery, MADExpo, Central Maryland Association of .NET Professionals (CMAP) Code Camp, Northern Virginia Code Camp, Rockville .NET User Group, CMAP User Group

Podcast Subscriptions: .NET Rocks!, The Tablet Show, Hanselminutes, RunAs Radio, Community Megaphone Podcast, The Dave Ramsey Show, The Entreleadership Podcast, Herding Code, Software Engineering Radio, The Digital Lifestyle Show and TED talks.

HOBBIES

Trumpet player, choir member, amateur music arranger and composer.

PUBLICATIONS

Fabritz, Jason E. and Nancy N. Soreide, "Using Java, XML and XSLT to Create Secure Internal Access to Local NOAA Research Science Project and Budget Information", 18th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology AMS, 13-17 January 2002, Orlando, FL

Jason E. Fabritz and Donald W. Denbo, "Automated Scanning of Observational Datasets for the Generation of Formal Metadata", 18th International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology AMS, 13-17 January 2002, Orlando, FL

Fabritz, Jason, Joel Massmann, and Derek Booth, "Development of a Three-Dimensional, Numerical Groundwater Flow Model for the Duwamish River Basin", Center for Urban Water Resources Management, Department of Civil & Environmental Engineering, University of Washington, 1998.

Fabritz, Jason, "A Two Dimensional Numerical Model for Simulating the Movement and Biodegradation of Contaminants in a Saturated Aquifer", M.S. Thesis, The University of Washington, Seattle, Washington.