

Jillian England (Jill)
Seattle, WA

Phone: (206) 427-2620
<http://www.hyperfaceted.com/resume.pdf>

e-mail: jill@hyperfaceted.com

Updated: Tuesday, March 25, 2003

Visual Studio .net, XML, C#, C++, VB, Perl, SQL Developer, Windows 2000/XP, and Linux/Solaris

Objective

Career position as Software Development Engineer.

Lead software developer engineer and senior systems administrator with a passion for creating and implementing systems which are easy to maintain, follow industry standards, and are provably correct.

It is possible to design, plan, and build high quality software quickly with very few flaws. This is accomplished by developing a system iteratively in very close cooperation with the end users of the system. Such systems do not appear out of thin air they are built and rebuilt until they are correct.

Summary

Application architect and web development engineer in Visual Studio .net, C#, XML, C++, Visual Basic, Perl 5.6 on Unix and Active-Perl 5.6 on Visual Studio .net, Transact-SQL, SQL Server 2000, Oracle, DHTML, Java Script, and ASP.

Systems Architect and Project Manager using Unified Modeling Language (**UML**), Entity Relationship Diagrams (**ERD**), and other Object Oriented Design methodologies for developing, multi-team Information Technology projects.

Expert with Visual Studio .net, .ADO .ASPX, and experience with Agile Software Development.

As lead programmer in at FOH I lead the team in architecture and development creating a hybrid ASP and ASPX application using ADO .NET. The application was designed such that the ASP modules were also written in a code behind style similar to the ASPX modules making the application design similar regardless of which section you were developing.

Very interested in projects that require the instantiation of "Agile" project development techniques and methodologies.

Education

Bachelor of Science, Computer Information Systems, 1984, University of Puget Sound.

Experience

Company	n-Link, Bellevue WA	Title	Software Contractor
Dates	05/2002 – 02/2003 9 months	Project	Application Development, UI, Visual Studio .Net, ASP, C#, SQL.

Expert in Software and Database design. Lead programmer and WEB User Interface architect for Federal Occupational Health in Seattle WA. Created system designs including ERD's, Data Flow Diagrams, and UML diagrams, and software specifications.

Created ASP and ASP .NET software for this project creating ASP and matching JavaScript, and .Net C# classes for various parts of the system. The "classic" ASP in this system is all written in a code behind style even though this is not specifically enforced by ASP. Made extensive use of newer ASP features, Classes, type checking, Regular Expressions.

Conducted weekly status meetings as team leader with program team, pushed team in direction of higher quality for maintainability and reusability of objects.

Visual Studio .net, XML, C#, C++, VB, Perl, SQL Developer, Windows 2000/XP, and Linux/Solaris

Company	Hyperfaceted Seattle, WA	Title	Independent Projects
Dates	03/2001 – Current	Projects	Global Information System software development for MARS research project.

Created statistical analysis software for a geographical image database of Mars Global Surveyor. Created map display software and, user interfaces, to test statistical calculations and plot image locations.

Formulated and executed statistical experiments eventually proving that certain geologic features on Mars were created in days and not years as had originally been hypothesized. Have also demonstrated that these geologic features have a relationship with water distribution on Mars.

Contributed this research, graphs, maps, and analysis to a peer reviewed paper that is published by the Mars society in collaboration with a planetary geologist Harry Moore. Presented the paper personally in lecture at Stanford University August 2001. For a copy of this paper please see:
http://www.Hyperfaceted.com/mars/seeps_paper.pdf

Company	Saltmine, Seattle, WA	Title	Software Contractor, Application Architect
Dates	03/1999 – 02/2001 two years	Projects	Multiple both contract and internal.

Contract **Microsoft** – Beta Software Team

Software Development Engineer. Designed Database queries and User Interfaces in .ASP and VB6 Documents to enforce and repair referential integrity between multiple RAID databases and externally linked file systems.

Implemented Vault, a secure software transfer package, for Betaplace.

INN News Server configuration and news server support systems. Lead engineer installing replacement INN news servers to support Windows 2000 release. Successfully installed and maintained a cluster of Linux INN servers in Canyon Park incorporated all functionality of original news server system.

The new Linux server configuration performed much better than the SCO system at only a \$30 cost vs. at least \$7000 that it would have cost to get new SCO licenses.

After this phase was complete we then ported the installation to IIS news servers and performed Y2K testing on the server installations. Saved \$10,000 and implemented the solution faster than new SCO software could have been shipped. Also, by using Linux we avoided SCO licensing issues.

Software Architect **Saltmine** – Systems Architect

Created system specifications and designs for customers including hardware and software recommendations. Performed research into application porting for clients and presented proposals to clients.

Created application software in Perl, VB web document, VB DLL's for ASP connectivity, ASP, and C++.

Visual Studio .net, XML, C#, C++, VB, Perl, SQL Developer, Windows 2000/XP, and Linux/Solaris

Company	Data I/O, Redmond, WA	Title(s)	<ul style="list-style-type: none"> ▪ Webmaster ▪ Unix Administrator ▪ Software Developer
Dates	09/1994 – 06/1998 four years		

Software Developer	Senior developer building Web user interface to Oracle and embedded systems software for products.
Webmaster	Designed and implemented WEB pages and customer service message and software distribution systems for Data I/O customer support. Designed and implemented corporate e-mail and support file distribution software. Proposed and implemented hardware changes that saved Data I/O \$20,000 in the first year as well as made the development support system failure resistant.
Unix Administrator	Designed and implemented corporate e-mail and file sharing software. Proposed and implemented hardware changes that saved Data I/O \$20,000 in the first year as well as made the development support system fault tolerant.

Company	Stephen Software Systems, Tacoma, WA	Title	Software Contractor
Dates	08/1988 – 08/1994 six years		

System Developer	Created and operated SSS specialized in modular and object software design, Relational database design, systems development, and system implementation. Expert in Unix Administration and software development in Informix, Perl, C, C++, and SQL, and embedded SQL. Expert creating User Interfaces and Reports. Expert in custom Accounting applications implemented in Relational Databases with Transact-SQL. Expert designing software development tools and data processing environments.
-------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Client Companies	Digital Systems International, Redmond WA	Washington State Dpr. Of Agriculture, Yakima WA	Seattle Justice Department, Seattle WA
	Washington State DSHS, Olympia WA	Federal Express, Memphis TN	Van Kampen Merritt, Chicago IL

Company	Hillhaven Corporation, Tacoma, WA	Title	Lead Software Developer
Dates	02/1983 – 08/1988 7 years		

Lead Software Developer	Responsible for modular design and software specifications for General Ledger and "Physicians Order System". Designed and created system software libraries for user interface to interactive distributed applications. Created distribution and configuration packages for remote installation. Tracked hardware flaws, Expert in Metrics collection for managing software projects and hardware failures. Created distributed, modular, insurance submitting system to run on micro computers at facilities that worked for multiple states and federal programs.
--------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------