

# Steven Bielik

[steven@bielik.com](mailto:steven@bielik.com)

<http://steven.bielik.com/resume>

(650) 691-5769

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## S K I L L S   A N D   Q U A L I F I C A T I O N S

### **Programming Languages:**

I am an expert in: PHP, Perl, ASP, ColdFusion, Visual Basic (VB), SQL and DHTML (JavaScript DOM and VBScript). I am also well versed in XML/XSL (SOAP), and UNIX shell scripting languages, including sh, csh, bash, and ksh. I have extensive experience developing n-tiered environments and middle-ware.

### **Platforms and Operating Systems:**

My skills in this area include: Windows XP/2000 (workstation and server), Windows '9x, Linux (Slackware, Mandrake, and Red Hat), Solaris, and OS/2. I have also installed and administrated Microsoft SQL Server 2000, Oracle 8i, MySQL, Netscape Enterprise Server (iPlanet), Apache, and Internet Information Server.

### **Application Software:**

I generally program on the UNIX command-line, using text editors like 'vi', and only in Microsoft environments am I forced to use Visual Studio 6.0 (.NET) components, including Visual Studio and Visual Interdev, to create ActiveX/COM+ components. I also use HomeSite, XML Spy, and Photoshop to create dynamic web pages.

## P R O F E S S I O N A L   E X P E R I E N C E

### **Pluginz.com/Visual Media      Co-Founder/Developer/CTO      3/2002 – 3/2005 pluginz.net**

Designed and developed the company's secure, e-commerce-driven platform and administration systems, powering the entire enterprise, using PHP, Perl, Apache, and MySQL on Linux. The sites' scalable design allows all sites to share data, as well as integrates them with various third-party providers, including FedEx and Authorize.Net for shipping and credit card processing. By building the administration system, I succeeded in exceeding the company's goals by creating a truly robust content management system. I am currently developing the LicenseBank (content delivery system) and administrative back-ends for the developers of the products sold throughout the conglomerate, including automatic sign-ups, recurring billing, and statistic reporting. I am also responsible for the system administration, high-availability and support of this system.

### **CBS SportsLine.com      Systems Developer      6/2003 – 11/2004      sportsline.com**

Created and maintained Perl and Shell scripts that aided in the administration and deployment of over 1,000 servers, as well as to keep CVS source-trees under control. In this role, I learned a great deal more about RedHat system administration, Kickstart deployment, CFEngine, and backup practices. I also provided guidance to other members of the Systems Administration team to make their jobs easier through more efficient coding. I also created the department's contact database and a NOC checklist using Perl, as well as re-engineered the company's Intranet using Mambo (PHP CMS system), combined with a PHP script to display company contact/location/birthday information. This information required a nightly export from a GreatPlains (MS SQL Server) database into MySQL, also configured by me through my middle-ware skills.

### **PlayfulSwingers.com      Lead Developer      1/2003 – 6/2003      theladiesclub.com**

Lead the design and development effort of the company's e-commerce enabled matching site, configuring and maintaining PHP and Perl scripts for Apache and MySQL running on Linux machines I configured. The site's commerce/membership engine integrates with CC-Bill for credit card processing, and a robust administration system allows for modification of users' subscriptions, promotions, advertising campaigns and banners. I also created the sister-site for a sub-section of the members, and I consolidated and improved the existing code.

### **UModels      Systems Programmer      3/1999 – 3/2002      umodels.com**

Participated in design and development of this company's online booking system, using the latest (ASP/VB/SQL Server 2000) technologies and programming practices. Responsibilities included site redesigns and back-end enhancements, including the addition of an events section, live streaming audio, and search by radius from a zip code. Ported from Access to SQL2000, and improved efficiency of the code and information architecture.

REFERENCES AVAILABLE UPON REQUEST

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## M O R E P R O F E S S I O N A L E X P E R I E N C E

- Scientific American      Software Engineer      9/1999 – 10/2001      sciam.com**  
Designed, developed, coded, and tested a streamlined, modular document delivery system used by editors. This part of their web-portal derived DHTML templates from HTML pages, and used custom ColdFusion and Perl scripts for retrieving from and modifying information in an Oracle content repository. The homepage and the search functionality were redesigned using dynamic HTML and advanced JavaScript techniques for cross-browser compatibility, as well as designed a membership section with e-mail/wireless alerts.
- PR Newswire      Lead Developer      10/2000 – 6/2001      prnewswire.com**  
Responsibilities included project design, architecture and implementation. Emergency Services Team member sent in to provide advanced development techniques and expertise in this mixed (Microsoft and Solaris) environment. Successful projects that required my assistance include the Global Business Garden, the T-Button initiative, and a redesign of the homepage and website. Languages included: ASP, VB, JVBScript, and Perl.
- OnSite      Senior Consultant      3/2000 – 3/2002      onsiteweb.net**  
Restructured the development department of this Internet start-up and supported a four-person team, assisting in the development life-cycle of the front- and back-ends of many web-applications, including:  
**DSC:**      Designed, coded and integrated a security system with custom user-level restrictions for the company's core data modeling application utilizing XML-enabled, SQL2000 database-driven, ASP/VB, COM+ Client/Server technologies. During this project, I participated in developing database schemas and stored procedures. I also provided technical documentation on the objects I created to the development team.  
**Par-Chem.com:**      Responsible for the design of the database schema and the programming of the front-end, back-end, and scripts and stored procedures in this SQL2000 Database-driven, ASP/VB Application. During this project, I helped to ensure consistent and reliable information architecture, code optimization, modularity and reusability.  
**RadioElectronica.com:**      Developed this web-portal, including a database-driven catalog of information on clubs, events and DJs in cities spanning the globe. This site integrated real-time streaming media with a bandwidth detection algorithm. In addition, Windows Media Event Scripting technologies and DHTML are used to affect a real-time play-list with affiliate links.  
**RapNetwork.com:**      Lead the development team and designed the information architecture and infrastructure of this database-driven, graphically intense catalog of information on artists, music, and videos, in under three weeks. I later assisted them in porting this entire web-portal to PHP.  
**BelAmiOnline.com:**      Designed and implemented the membership section of this highly trafficked, adult-entertainment site, using ASP and SQL Server 7. Integration with Authorize.net for Credit Card processing and a robust back-end allows administrators to modify access-rights, subscription expirations, and other account information on the fly.  
**CosmeticShopper.com:**      Created consumer website for this publicly traded corporation (NASD: SELB), using ASP and SQL Server 7, and integrated WebAuthorize for Credit Card Processing. Created back-end components to allow administration of transactions and order fulfillment. Coordinated with other freelance developers during the project.
- The Allied Group      Consultant      1/2000 – 3/2000      thealliedgroup.com**  
**ToysRUs.com:**      Created a DNS Batch Maintainer. This Unix shell-script allowed network administrators to quickly add, delete and edit host- and reverse-lookup entries for their web-server cluster using a menu-driven interface.  
**Women.com:**      Ported the **InternetHoroscopes.com** and **AstroNet.com** web-portals between hosting providers. This task involved verifying the integrity of undocumented CGI scripts and dynamically generated web pages; modifying them when necessary.
- Praxis Press      Developer      4/1999 – 9/1999      praxis.md**  
Created custom ColdFusion tags and scripts for retrieving information from an Oracle database and rendering the SGML (XML) into HTML. In addition, I performed maintenance on the Current-Practice Journal of Medicine's web site and assisted in its conversion to http://praxis.md.
- Elsevier Science      Analyst & Developer      2/1998 – 7/1999      elsevier.com**  
Developer of utilities used in the development, production, and maintenance of Electronic Journal Web Portal.

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**Developer:** Created and documented a new production system, incorporating a modular, dynamic approach to web site implementation. This database-driven system separates a site's navigation from its GUI and its content, allowing a site to be customized on each level. This approach allows multiple sites to use the same code-base and pull their configurable parameters out of a SQL Server database allowing for a decrease in development time.

**Programmer/Analyst:** Developed the "CardioSource" multiple-journal web site, incorporating CGI scripts for advertising and marketing (banner ads, demographic reports on a user-database, etc.) and a middle-ware solution for having instantaneous user registration, simultaneously across two separate systems. Developed "The Creator" as a tool for Production personnel to import Journal content with the click of a button. Performing conversions between XML (normalized SGML) and HTML using a variety of Perl scripts and tools.

**Goldman Sachs          Senior Consultant          8/1997 – 1/1998          New York, NY**  
Sole developer of utilities used in the Year 2000 impact assessment of the entire Distributed System. These Perl scripts employed search engines to locate and report on impacted Sybase data-fields, tables, Stored Procedures, and their calling C Functions that application managers deemed Mission Critical. I also participated in the initial stages of the project's development and set the benchmark for assessing source code reliability. I analyzed C, Sybase, and Perl. I provided Technical Support and QA to the team.

**Cantor Fitzgerald          Systems Analyst          Summer 1996          New York, NY**  
Ported and enhanced a VT320 emulator and its utilities from OS/2 to Windows NT using the Win32 API. The emulator employed multiple named and unnamed pipes, inter-process communication, dialog boxes, and serial and network communication routines. I also enhanced the output of an HP-UX based information display application, was a member of the design- and creation-teams of the "Morning News" project, and created a UNIX-based packaging script for software distribution.

**StarSoft, Inc.          Add-in Designer/Consultant          1994 – 1996          Plainview, NY**  
Programmed Lotus 123 and Microsoft Excel financial add-ins in C and C++, while enrolled in university. These add-ins implemented calculations used in Cushman & Wakefield's highly acclaimed Tenant Lease Projection System. Other add-ins developed dealt with Cash Flows, Swaps, Strips, and International Money Markets.

**LI Internet HQ          Inter-Tech Consultant          1994 – 1995          Huntington, NY**  
Provided technical support and service, on-phone, in-house, and on-site. Worked with many aspects of an Internet provider, including connections, e-mail (SMTP, POP3), news server maintenance, and web server maintenance on O'Reilly and apache httpd servers. In addition, I created Web pages, forms, image-maps, and CGI-scripts; I trained new employees in Internet usage, installation procedures, and troubleshooting.

**Bankers Trust          Software Engineer          3/1993 –10/1994          New York, NY**  
Designed and implemented a turnkey proofing system using Microsoft Excel, Visual Basic for Excel, and OLE, before graduating high-school. The system was initialized at the start of the day, and transactions were entered in users' worksheets. The system would then produce a report at the end of the day from each individual worksheet.

## MISCELLANEOUS ACCOMPLISHMENTS

- ❖ Guest speaker for Albany Business Computing Association speaking on an introduction to JavaScript.
- ❖ Taught and graded a semester-long college level class of 30 students in BASIC programming for business applications. I also administered and graded self-made exams.
- ❖ Created "Xtract" utility to mimic Lotus 123's "copy-combine" feature.
- ❖ Created "drain" utility for reconditioning laptop batteries by using all of the laptop's features at once.

## E D U C A T I O N

### **Bachelor of Science Degree in Computer Science and Applied Mathematics**

State University of New York at Albany – Class of 1997

- Minor in Business Administration