

KIMBERLY LIGHTHOLDER

OBJECTIVE

Find the opportunity to design, create, and maintain sophisticated Internet applications characterized by streamlined code, accessibility, functionality and usability.

KEY TECHNOLOGIES

Programming – C/C++/C#, Java, JavaScript, JSP, Perl, PHP, SQL, TCL, Visual Basic, VB Script

Graphics & Design –Photoshop, Illustrator, Flash, Dreamweaver, Fireworks, FreeHand

Web – AJAX, ASP, CSS, HTML/XHTML, XML, XMI, XSL, SOAP, CGI Scripting, Vignette StoryServer

Business Systems – My SQL, MS SQL Server, MS Access, MS Office, Visio, MS Project, MS SharePoint

Operating Systems – MS Windows NT4/95/98/2000/XP, UNIX

PROFESSIONAL EXPERIENCE

Internet Developer, Team Lead

Alienware Ltd., EMEA (Athlone, IRL), July. 2007 – Present

Computer manufacturer of high-end gaming machines. Serving as web technology and programming specialist for the Marketing department.

- Lead ASP, AJAX, XHTML, XML, XSL, CSS developer of 4 person team including a graphic designer, content specialist and front-end coder.
- Responsible for timely and secure development of application pages and micro-sites in enterprise-level application built on ASP .NET / MS Sql Server architecture.
- Design and code stand-alone aspx controls to support regionalization of content across 3 languages
- Design and creation of XSL structure to support transition of character encoding from UTF-16 to UTF-8 in XML content files for multiple languages.
- Translate 3rd party application requests into technical specification docs for efficient development of core functionality including API for transmitting customer information in XML, integration of Goggle Analytics.
- Leading ongoing effort to upgrade current corporate designed static table-based application GUI into AJAX functional, streamlined semantic XHTML/CSS code with complete separation of content from design.
- Conceptualized new component launch procedure to live application space resulting in decreased launch lead-times and increased efficiency in tracking live bugs.
- Primary contact between marketing department and core development programming team in Alienware U.S. due to comfort level with software life cycles and development procedures.

Founder and Developer

Lightholder Productions (Athlone, IRL), Dec. 2002 – Present

Started own production company, offering services ranging from Internet development, media design and private training.

- Currently contracting with small to medium-sized businesses in the midlands area providing SEO services, streamlined semantic website code by hand in PHP/ MySQL, J2EE and ASP environments.
- Self-started 3 PHP/MySql driven private projects utilizing OO PHP environments, complete CSS driven fluid design and MySQL database support – a sharing community for online costumers, a live calendar and discussion arena for musicians in the Bay Area and collective for photographers to share development resources.
- Conceptualized multiple projects with local business for upgrading internet applications to WCGA 1.0, European Commission and Irish National Disability Authority standards for increased probability of government grant approval.
- Designed and coded 2 enterprise-level internet-based applications in PHP/MySQL environments for the recruitment industry, specializing in job searches, client management and international employee recruitment.
- Assisted medium-sized businesses in creating technical specification docs surrounding customer use cases for future application development internally.
- Created online photography resource utilizing PHP/MySQL for account management, online purchasing and order tracking.
- Coded custom PHP and Java libraries for photo manipulation including cropping, resizing and watermarking.
- Lead developer for 4 custom business internet sites supporting product and service databases, customer account creation, and management of customer communications.
- Provided private training in PHP, JDBC, AJAX, Visual Basic, JavaScript, Flash, HTML, VB Script, CSS, semantic XHTML, Dreamweaver and Photoshop.

Web Developer

Nexus HRP (Athlone, IRL), March 2004 - January 2005

Online Recruitment Company created to design custom Internet-based application for all aspects of multi-national hiring across the EU.

- Coded Application components in C# to interface with existing v1.5 objects for the handling of customer information, account creation and user registration.
- Created and coded C# application objects to interface with newly upgraded database schema utilizing recursive actualization.
- Improved customer experience through increased timely communications by designing and creating C# objects and components for management of regionalization and automation of email responses in 20 different languages.
- Translated customer requests into technical specification docs for use by the engineering team.
- Redesigned and restructured front-end GUI in v2.0 of C#-based application to streamline co-branding of the interface for new clients.
- Re-coded all front-end templates to be XML/XHTML and CSS compliant with full semantic and accessible code.

Engineering Contractor

ViewCentral (Mountain View, CA), May 2001 - August 2001

E-Commerce Company, which automates scheduling, registration, payment, communications, and reporting for conferencing and training. Purchased Headlight.com technology when company was dissolved.

- Recreated Headlight's core functionality on new system using JavaScript, VBScript and ASP.
- Created SQL scripts and JavaScript processes for development of a Java DLL to pass information to external systems.
- Designed and implemented API in Java for passing user data from old system to new in the interim.
- Documented application use cases to streamline parallel application development in new Javascript and ASP architecture.

Manager of Software Engineering (promoted from Applications Engineer, Mar. 2000)

Headlight (San Francisco, CA), Aug. 1999 – Mar. 2001

E-Learning Company specializing in providing business skills training through the web. Created E-Commerce site which allowed users to purchase courses from a library of third-party content, and additionally released the Corporate University, which allowed client companies to create a specialized training site within Headlight, wherein managers could assign training, track progress, and measure skills of their employees.

- Supervised 5-person team in designing and developing an internet-based application for managing and delivering training to customers.
- Utilized JavaScript, TCL, PHP, StoryServer and SQL Server technologies to create application with over 2000 objects.
- Performed day-to-day maintenance of Internet application serving 60-80,000 pages a day, and supporting 120,000 users.
- Created SOAP and XMI compatible XML reports for user data integration with partners.
- Designed and developed API using TCL, PHP, and XML for seamlessly and securely passing users and data from a partner's application to ours over the Internet.
- Responsible for timely delivery of product releases from the development team involving overseeing all stages of software development life cycle.
- Increased engineering productivity by developing internal tools for streamlining release of application co-brands to customers and partners.
- Acted as engineering's primary liaison to other departments in the development of application.
- Streamlined the product release process, involving application migration across 3 separate systems, to achieve minimal downtime for customers and an 89% decrease in post-release bugs.
- Led effort in analyzing StoryServer code, HTML, SQL statements and graphics for optimizing application performance and download time.
- Designed and created over 15 HTML email messages and pages for marketing campaigns in Photoshop and HTML.
- Created PhotoShop templates and processes for image production of new client co-brands of Headlight site.
- Implemented new V2.0 e-commerce site and the Corporate University using PhotoShop and hand coded HTML.

Web Engineer

Archipelago Productions (Monterey, CA), June 1998 – Aug 1999

Multimedia Production Company specializing in college-level science course on CD-rom, with supplementary websites for testing, assigning material and communication.

- Developed and maintained core functionality using Java and JavaScript for internet-based application supporting academic testing and management of student learning.
- Created complete static version of application with key functionality for use by Sales and Marketing.
- Developed Perl scripts for analyzing web logs and reporting on application productivity to the company weekly.
- Designed, implemented and maintained web sites featuring Dryden and Harcourt Brace textbooks and courses in PhotoShop and hand-coded HTML.

Web Developer

Internet Monterey Bay (Monterey, CA), May 1995 – December 1998

Monterey Bay ISP providing creation, implementation and hosting.

- Designed, developed and supported over 20 websites for IMB' clients from Photoshop image creation to HTML coding.
- Created back-end CGIs for communications and interactivity with users in Perl and front-end server-side scripting in Java.
- Collaborated with clients to enhance existing business identity for use on the Internet and in print.

Java Programming Intern

Sun Microsystems Inc. (Pleasanton, CA), Summer 1996

- Designed and created Java applet to allow the sales force to use a paper-based sales tools on the web.
- Coded in Java an applet that will create an organizational chart and allow the user to input and save information related to each module in the chart.
- Conceptualized a process to overcome Java security roadblock in development and allow saving of all applet GUI information on the users machine, as well as a main file server at Sun.

Web Services Specialist

California State University, Monterey Bay (Monterey, CA), September 1995 – March 1998

Worked for the University's computer department as a salaried employee from its inaugural year until my graduation

- Tested and aided in creation of the Multimedia Learning Complex's network and labs.
- Taught students C++ and Java programming as a teacher's aid.
- Created C, PHP and Perl CGIs, UNIX shell scripts and Java applets to aid in student registration, communication, creation and facilities request on University website.
- Designed, implemented and supported over 20 web sites and scripts for different University departments.
- Wrote and maintained detailed design documents for departmental deliverables.

SKILLS

- Strong reputation for ability to track down and solve bugs that usually stump the rest of engineering.
- Continually utilized by employers for ability to quickly understand to a high level of efficiency new software, environments and engineering bugs.
- Excellent interpersonal skills. Nicknamed "Puzzle Queen" by co-workers.
- Ongoing contributor to diverse development teams including writers, upper management, customer service, sales and tech.
- Comfortable in MS Windows NT4/95/98/2000/XP, Mac and UNIX platforms
- Experience in the following programming languages: C/C++/C#, Java, JavaScript, J2EE, JSP, Perl, PHP, SQL, TCL, Visual Basic, VB Script
- Extensive knowledge of Internet Technologies: CSS, AJAX, XML, XMI, XSL, ASP, SOAP, CGI Scripting, Vignette StoryServer
- Multitude of experience in building Internet applications in multiple environments, which interface with MS SQL Server/MySQL/MS Access databases.
- Able to easily coordinate projects involving many different aspects of engineering and management.
- A strong ability to combine graphic design and information architecture to ensure a user centered design.
- Extensive knowledge of file preparation techniques used for producing content for the web.
- Extensive knowledge of Photoshop, and HTML by hand.
- Able to produce quick solutions and make immediate adjustments based on feedback.

EDUCATION

2003 Joint Education Board Diploma

Education Principles & Practice; Education Practice: ICT Skills

1998 Bachelor of Science, California State University, Monterey Bay

Concentration in Networking, Multimedia and Programming

REFERENCES

Available Upon Request