

David B Duncan

User Interface Design Engineer

Experienced Visual Designer and Web Engineer with over five years developing intuitive user interfaces, engineered templates and client-side code for web based consumer-facing B2C Personal Health Information (PHI) and International B2B eCommerce applications.

Improved customer satisfaction, retention and sales of REDmedic's PHI access and retrieval products by producing user friendly, demographic independent and accessible UIs based on design specifications developed in collaboration with Company staff and Customer Reviews.

Increased sales of Auction, Sourcing, and Contract Management Business-To-Business products for Commerce One by producing user friendly, multi-lingual User Interfaces based on design specifications developed from interactive reviews of PRD, FSD and Customer Beta Reviews.

Objective

To develop highly intuitive user interfaces for web delivered national and international applications and websites by participating in strategic planning sessions with product management, engineering management, and customers to evaluate UI specifications and product features and then architect and implement the UI with emphasis on ease of use through application of established user-centered software design principals by creating style guides, live web sites and optimized graphics.

Skills

Web Design and Development Tools – Eclipse, UML, Acrobat, Dreamweaver MX, Flash, MS Office, Fireworks, QuickTime, CVS, Perforce, Clearquest, PowerPoint, Visio

Graphic Design and Layout - PhotoShop, ImageReady, QuarkXPress, FreeHand, Illustrator, Painter
Multimedia Creation - Director, Premiere, SoundEdit 16, DeBabelizer, ActionScript

Programming Languages – HTML/ XHTML, JSP, PHP, JavaScript/DHTML, CSS, XML, ASP, SQL

Operating Systems/Web Browsers - Windows, Macintosh, Tomcat, Apache, IIS, Safari, Netscape, Internet Explorer, Mozilla, Lynx

Experience

Manager, Web Development

REDMEDIC INC., Santa Clara, CA

2003–Present

- Engineered and coded all JSP page templates and front-end scripts for the REDmedic Hospital Network PHI interface that allows Medical Providers to access the Member's information, as well as the Call Center and Customer Service Modules.
- Built JSP/Java/JS/CSS/DHTML development templates for the Member's Site including payment, registration, invoice, login, PHI entry and report interfaces, DHTML layer help, and calendar, and email/contact forms. Authored all client-side code and scripts for navigation and validation and designed and created all graphics.
- Designed and implemented code and graphics for UI of self-contained, PHP based live mock website based on Product Roadmap and Architecture documents used for investor demos.
- Transitioned to Java/JSP/MySQL and developed REDmedic's public site including extensive customization of Lutece CMS to allow for hand-off of updating to the marketing department.
- Investigated, analyzed and reviewed customer and investor feedback on usability, additions and improvements. Met regularly with Engineering, Marketing and Management to discuss development status and strategy, analyze successes, triage problems and plan ahead.

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Experience (Continued)

Senior User Interface Engineer

COMMERCE ONE INC., Cupertino, CA

1999–2003

- Collaborated in strategic planning and accountability for current and future product development and reviewed past product bug fixes, issues, updates and change requests.
- Increased application usability by producing intuitive User Interfaces based on design specifications developed in collaboration with Product and Engineering Management.
- Designed and created original graphics, images, animations and icons created with PhotoShop, Flash, Fireworks, and ImageReady.
- Refined and streamlined the user experience on all company products by creating a common style-guide for an original Section 508 compliant UI design to be implemented through the use of JSP Custom Tags.
- Authored streamlined HTML pages and templates and CSS styles for fast loading on internationally hosted sites using Dreamweaver, Visual Interdev and Hand coding.

Website Developer (Consultant)

FABRIK INC., San Francisco, CA

1999

- Designed and produced websites used to demonstrate integration of Web, messaging, and database technologies to assist corporate clients with customer branding and loyalty. Designed and produced all facets of web technology used in the demos.

Associate Instructor

EAST SIDE ADULT EDUCATION, San Jose, CA

1999

- Taught beginning Adobe PhotoShop Image Editing Class
- Taught beginning Adobe Premiere Video Editing Class

Education

B. S., FINE AND APPLIED ARTS

University of Oregon, Eugene

Undergraduate studies in ELECTRONIC ENGINEERING and SOLID STATE PHYSICS

California Polytechnic State University, San Luis Obispo

DIGITAL MEDIA DESIGN AND PRODUCTION, CERTIFICATE

West Valley College, Saratoga, CA

WEB CONTENT DESIGN, CERTIFICATE

West Valley College, Saratoga, CA

Affiliation

BayCHI - San Francisco Bay Area chapter of ACM SIGCHI

Organized and operated exclusively for educational and scientific purposes in the area of Computer-Human Interaction.

Silicon Valley ACM SIGGRAPH

Promotes the generation and dissemination of information on computer graphics and interactive techniques.

Silicon Valley WebGuild chapter of The Association of Internet Professionals

Dedicated to the education and professional development of bay area internet professionals.