5604 Nature Lane
Tallahassee, FL 32303

John Long

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Profile

Accomplished enterprise application developer with solid business, management, and customer-care experience.

Objective

Seeking software development position in enterprise level web applications and web design with a focus on .NET, Ruby on Rails, and SOA technologies.

Technology Skills

- **Languages**

-	HTML (XHTML, CSS)	12 years
-	Visual Basic	6 years
-	JavaScript	6 years
-	Regular Expressions	6 years
-	C#	5 years
-	Java	5 years
-	ASP.NET	5 years
-	ASP	5 years
-	C (C++)	4 years
-	VB.NET	3 years
-	Ruby (Rails)	3 years
-	PHP	1 year
-	JSP	1 year
-	Perl	1 year
-	Python	1 year
-	Assembly (MIPS)	1 year

- **Databases:** MS SQL Server, Oracle, MySQL, Access

- **Development Tools:** MS Visual Studio (6, .NET), NDoc, Dotfuscator, Photoshop, FXCop, MS Visual Source Safe, CVS, Subversion (Tortoise), PDFlib, ActiveReports

- **Problem Domains:** EDMS, CRM, eCommerce (Authorize.NET, PayPal), eLearning (FlexTraining, eLearnNow), call center, project management, bug tracking, workflow (TRIM Context, Optix)

- **Development Methodologies:** Waterfall, user stories, rapid prototyping, workflow patterns, test-driven development, use case, UML, OOP, design patterns, class diagrams (ERDs), requirements specifications (SRS), self-documenting code

- **Other Technologies:** threading, reflection, events, performance troubleshooting, usability testing, stress testing, low-level debugging, windows services, CDONTS (SendMail, ASPMail), MS IIS, Windows Server, MS Project, wiki, Linux (RedHat, Smoothwall), OSI model (TCP/IP), VPNs, network configuration, CGI, ADO, SSL, SSH, MS Visio, Capistrano, Mongrel, Pound, Hpricot, Mechanize

Professional Experience

Image API, Inc.   Tallahassee, FL
Sr. Systems Developer, 2006 to Present

- Lead developer responsible for updating and maintaining large-scale C#.NET web-based document management software for multiple clients. Included code optimization, refactoring, and adding new features such as PDF conversion and OCR.
- Sole developer on a Ruby on Rails web application for precise tracking of shipments, boxes and folders. Also included a Java applet viewer for viewing the contents of the folders online.
    - Gathered requirements, designed architecture, implemented code, and deployed system on site in Texas.
    - Updated, refactored, and customized the system, within a short time frame, for a new client in Florida.
- Designed and developed a custom C#.NET web-based document management system for FL Department of Agriculture. Included designing user-friendly screens and developing complex JavaScript based web pages for the client's ease of use.

Bellwether, Inc.   Tallahassee, FL
Co-Founder / Developer, 2004 to Present

- Managed daily business operations, including planning, financing, marketing, client acquisition, and technology research.
- Researched emerging technologies for practicality and usability to ensure continued relevance within the marketplace and to optimize current business practices.
- Network technician and ISP for office of 20+ businesses. Responsible for installation, IP lists, bandwidth throttling, wired and wireless services, and general network troubleshooting.
- SMB website design and development, including client meetings and requirements gathering, paper prototyping, graphics, HTML, branding, and SEO tasks including submission, keyword management, and tableless-CSS layout relevancy.
- Designed and developed large-scale, 3-tier C#.NET web-application for resource management, news aggregation, groupware, and contact and information management.
    - Designed system architecture in conformance with software design patterns and principals (factory, listener, abstraction, composition), and component-based development.
    - Developed regex-based page-scraping service for aggregating news articles from 50+ news websites.
    - Developed custom dynamic code library for on-the-fly compilation and integration into a currently running enterprise application.
    - Wrote windows services for routine reports, user account management, and data maintenance.
    - Served as project manager, also responsible for technical design and overall system reliability.
    - Planned and guided usability- and beta-testing with users.

eTraining Solutions, Inc.   Tallahassee, FL
Sr. Analyst / Developer, 2004 to 2006

- Responsible for maintaining corporate eLearning systems for high-profile clients such as BIC, Sallie Mae, and Essential Learning. Included refactoring code, implementing feature requests, database administration, performance tuning, and creating custom reports.
- Lead developer on a 3-tier ASP web application for electronic telemarketer registration.
    - Designed system architecture for ease of development and maintainability.
    - Developed sophisticated database-driven design to incorporate a multitude of complex state forms.
    - Developed a custom dynamic on-the-fly PDF generation system for state forms using PDFlib.

Salone Consulting Group, Inc.   Tallahassee, FL
Sr. Programmer / DBA, 2002 to 2004

- Developed numerous ecommerce websites with Comersus, osCommerce, and custom-built ASP- / SQL Server-based solutions, including shopping carts, membership, security, payment processing and fulfillment, cross-selling, newsletters, content management, inventory, product catalogues, and administrative backends.
- Responsible for the installation and customization of Flex-Training web-based eLearning software for clients such as the Contra Costa County Training Institute, Digital University, Essential Learning, and Parkland Health And Hospital. Programmed custom feature enhancements and additions, performance tuning, data imports, and low-level debugging.
- Performed project analysis for determining scope, cost, and profit for company prospects. Gathered requirements from clients, interpreted their needs, and created technical specifications documents and test cases. Reported to clients to obtain feedback at delivery stages.

- Developer on in-house ERM web-application project for various company activities, including project and lead tracking, sales force automation, customer relationship management, bug tracking, time cards, and workflow.
  - Developed customer care and electronic "call center" component for clients to enter projects, feature requests, and bugs, and interact with staff to track and influence a project's lifecycle.
  - Developed time and attendance component for employees to track their hourly work day. The interface was task based with one-click stop/start tracking, interfaced with QuickBooks, and created reports to use on itemized client invoices.
  - Developed a project management component interfacing with customer project requests, and providing commenting, document sharing, bug tracking, and project history functionality.
  - Developed a workflow engine that interfaced the various system components and automated developer task assignment and project status reports.
  - Developed a sales component to track leads and prospects, calculated commissions and raw project value based on risk factors, resource availability, and chances of client acquisition.
- Developed a smart client custom healthcare client and claims tracking application using VB.NET and SQL Server. Integrated the application with custom check systems to automate claim payment.
- Lead analyst/developer on Applicant Tracking and Imaging System for Hillsborough County, Florida. A large-scale Optix, Java, JSP, and Oracle web based solution which allows the scanning and retrieval of job applicant records, test scores, and personal information.
  - Analyzed client requirements and available resources to ensure the timely and functional delivery of an enterprise level system.
  - Designed system architecture using applicable enterprise design patterns with a focus on maintainability and reliability.
  - Developed a custom Java library for the integration of JSP, Oracle, and Optix.
  - Analyzed business processes and workflow to accurately implement them using Optix.
  - Developed custom reporting and integration with multiple departments to facilitate the sharing of data.

National High Magnetic Field Laboratory   Tallahassee, FL
Programmer / Researcher / Graphic Artist, 2000 to 2002
- Developed Olympus MIC-D prototype software to control a remote digital camera attached to an Olympus microscope. Included real-time custom image processing, image editing, image capture, movie capturing, and movie playback. Programmed a custom graphical interface for the entire application which was written in Java.
- Lead developer for a collection of 200+ image processing, optical, and physics java applets used to show various ways to process digital images for analysis and the properties of lenses and light. Examples include image convolution, image warping, Fourier transforming, image sharpening, optical aberrations and total internal reflection. (See http://micro.magnet.fsu.edu/)

Additional work history or code samples available upon request.

Education
Florida State University   Tallahassee, FL
B.S. in Computer and Information Science, Cum Laude, Summer 2002
Minor in Mathematics