

Martin Lovell

CONTACT

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OVERVIEW

Full stack web, mobile, and application developer with over 15 years experience designing, building, growing, and maintaining complex websites and applications. Working on small, productive teams, and following projects through their entire life cycle.

QUALIFICATIONS

Full stack java web application developer: J2EE application developer: Servlets, Spring, JPA/Hibernate, JDBC, JSTL, MySQL, Tomcat, Rails, etc.

Mobile Application developer: Developing and releasing iOS and Android Mobile Applications. XCode, Objective C, Swift, Android Studio, Java, XML.

Web front end developer: Working in all aspects of web development. JSP, JSTL, HTML, CSS, Javascript, JQuery, AngularJS, Material, AJAX, JSON, XML, Bootstrap, Less, Sass.

Application Lifecycle and Management: Led several projects from inception through profitability and maintenance. Working closely with project stakeholders on long term projects.

Server Architecture and Administration: Linux based servers, Amazon Web Services (EC2, ELB, RDS, Route53, etc.), Bash Scripting, Crontab, Yum, Apt, Python, Load Balancers, Cloud based servers, Database management.

Source Control/Management: Experience with GIT, Subversion, CVS, etc. client and server.

Other Skills: Windows based applications: C#, C++, Java, and Delphi. SQL, RDBMS, OS X, Android, and iOS applications. Experience with PHP, Python.

Tools: Agile, Scrum, Pair programming, Eclipse, XCode, Android Studio (IntelliJ IDEA), JBuilder, Maven, Ant, Jenkins, etc.

Library Systems: Experience working with Fedora Commons, Hydra/Samvera, Blacklight, SOLR

WORK EXPERIENCE

Yale University Library

Applications Developer

October 2017 - Present

- **Digital Library System:** Developed new features, enhanced existing functionality, and fixed issues with existing code base for system consisting of Ruby/Rails based blacklight/samvera frontend and a C# based digital object management system.
- **Agile/Scrum:** Worked with small team using scrum methodology in 2 and 3 week sprints. Working closely with product owners and stakeholders, advisory groups, DevOps, and other developers to coordinate software development process based on agility.
- **IIIF:** Integrated, customized, and deployed python IIIF image server, developed system to generate manifests using SOLR data for IIIF presentation API, and customized and integrated Mirador and Universal Viewer clients.
- **PDF Generation:** Developed system to generate accessible PDFs based on image sets and metadata. Generator was built using Java and integrated with Rails application.
- **SOLR:** Altered and optimized SOLR index to enable searches on complex fields including non-roman text.
- **Technology:** Ruby/Rails, Java webapps and REST APIs, C#, Tomcat, MS SQL Server, MySQL, Oracle, IIS, Hydra/Samvera, Blacklight, Jenkins, Scrum, Bash, Linux, Windows, Fedora Commons, SOLR.

Spladap

Senior Software Developer

September 2014 - October 2017

- **Spladap Training System:** Built baseball hitting training platform with small remote team consisting of scrum master and one other developer. We used pair programming, daily stand-ups, and an iterative release cycle. Spladap trainers use the system to create customized plans using instructional videos and drills based on video analysis of their hitting. J2EE, Java, Swing, JPA/Hibernate, JQuery, AngularJS, Bootstrap, GIT, Maven, JS, AJAX.
- **Video Etch:** Led design and coding of iOS mobile app for hitters to examine videos of their swing.
- **Video Annotator:** Designed and built tools for trainers to annotate and compare videos using various analytical tools. Created a Javascript and OS X versions of the tool. Swift, XCode

Clinaero, Inc

Senior Software Developer

February 2006 - March 2017

- **CMS:** Designed, built, and extended J2EE Web Based Content Management System to allow several content writers, editors, and managers to create, maintain, and approve content for use on eMedTV website and for licensing to third parties.
- **Transitioning from Co-Location to Cloud Based Servers:** Built a Java based conductor to build new batches of cloud based servers each night using Amazon's AWS API. EC2, Route 53 DNS, Elastic Load Balancers, and Amazon RDS.
- **Advertisement Delivery:** Designed and built system for advertisement delivery to match approved website content with relevant ads based on rules and ad topics for high traffic site. Designed and implemented SEO to maximize web traffic and ad revenue.

WORK EXPERIENCE (CONT.)

Keris, Inc.

February, 2002 - February, 2006

Senior Software Developer, Seattle, WA

- **A2All Novartis Study:** Developed clinical trial system for patients and clinicians to guide patients through a clinical trial information and adaptive questionnaires. J2EE based backend with a web based and C#.net Windows client to enter patient demographics.
- **Cooper Institute Training Application:** Developed C#.net Windows based clients for tablet PCs and web based front ends for a system to track training using XML based adaptable questionnaires and a J2EE backend.

X10

September, 2001 - Feb., 2002

Software Developer, Seattle, WA

- **Consumer Electronics Software:** Developed Windows based applications in C++ using Visual Studio for use with consumer electronics including cameras, motion sensors, and camera switchers. Worked extensively and deeply with Windows API, ATL, STL, DirectX, ActiveX, Printing, and image processing.

VitalLink

September, 1998 - June, 2001

Director of Software Development, Seattle, WA

- **Multimedia Education:** Designed, documented, and developed software for structured multimedia presentations for patient education with video and animation. Created multi-user, extensible authoring and media-management system.

Depository Trust Company

May, 1997 - September, 1998

Software Developer, New York, NY

- **Financial Software:** Developed Windows client software using Delphi for large firms batch processing.

EDUCATION

Bachelors: Math/Computer Science

Wesleyan University, Middletown, CT

Secondary Teaching Certificate

University of Hartford, West Hartford, CT