

# MARTIN LOVELL

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

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## SKILLS

**Application Lifecycle and Management:** Led several teams developing projects from inception through release and maintenance. Working closely with project owners on long term projects.

**Web Application Developer:** Developed many web applications using multiple platforms and frameworks from server generated HTML to REST-like servers with JavaScript SPAs. *Technology:* Spring Boot, Ruby/Rails, Python/WSGI, J2EE, Apache, Nginx, Node JS, Solr, Lucene etc.

**Front End Developer:** *Web developer:* Developed complex and efficient web frontends using JavaScript, Typescript, React JS, HTML/CSS/JS, Rails/ERB, jQuery, Bootstrap. *Mobile developer:* Developed and released iOS and Android Mobile Applications.

**Container Development and Cloud Deployment:** Docker, Docker-compose, AWS Elastic Container Service, Vagrant, and AWS: EC2, ELB, and ALB.

**Other Skills:** Experience working with windows-based applications: C#, C++, Java, and Delphi.

**Tools:** Agile, Scrum, Pair programming, CI/CD, Mockito, Terraform, Gradle, NPM, Maven, Ant, Jira, Confluence, Trello, ZenHub, CircleCI, Github, Jenkins, Honeybadger, Dynatrace etc.

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## WORK EXPERIENCE

**SEPTEMBER 2019 — Present**

### **PRINCIPAL FULL STACK ENGINEER, YALE UNIVERSITY LIBRARY**

**LUX Linked Data Project:** Lead engineer in project to convert Yale's entire library catalog (MARC) and archives (ArchivesSpace) to linked data for use in the Yale LUX Cultural Heritage project.

**Metadata Cloud:** Spring Boot based API server to provide uniform access to metadata from disparate sources of authority allowing metadata consumers to retrieve records in a common JSON format.

**Paperless Paging Application:** Led development of Spring Boot backend and React frontend for a new library system to provide contactless book retrieval, integrated with existing library systems.

**Library Catalog Search:** Senior developer on Yale Library Quicksearch. Led transition to Docker.

**Digital Library System:** Developed new Digital Collections system to provide discovery services for digital content with IIIF presentation, search, and image API. Including a backend management system, image inventory and migration tools, and pdf generation. Development and deployment using Docker and ECS.

**Metadata Task Force:** Representing technical implementation on task force with cataloging and metadata experts to develop ways to describe and implement mappings in JSON.

**Technology:** Spring Boot, React, Ruby/Rails, MS SQL Server, MySQL, Oracle, PostgreSQL, Jenkins, CircleCI, Docker, ECS, Bash, Linux, Fedora Commons, SOLR, Lucene, Scrum, Blacklight, Samvera, Voyager, ArchivesSpace.

**AUGUST 2018 — AUGUST 2019:**

**SENIOR DEVELOPER, PINPOINT DIGITAL, LLC**

**Tracking Application:** Planning greenfield project from conception, transitioning team and client to scrum, designing, building, and maintaining a Java/Spring Boot, React, MySQL application used to manage and track the processing of drivers and equipment among locations.

**Order and Workflow Application:** Designing additional features, building, and maintaining a Spring Boot / React application for management and approval of returns.

**Large-Scale Application:** Enhancing and maintaining large-scale legacy application consisting of Java/Spring, Angular, ColdFusion in use across the US and Canada, aggregating information feeds.

**OCTOBER 2017 — AUGUST 2018:**

**APPLICATIONS DEVELOPER, YALE UNIVERSITY LIBRARY**

**Digital Library System:** Developed new features, enhanced existing functionality, and mitigated legacy issues for a digital library 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 in 2 and 3 week sprints. Working closely with product owners and stake holders, advisory groups, DevOps, and other.

**SOLR:** Updated and optimized SOLR to enable searches on complex fields including non-roman text.

**SEPTEMBER 2014 — OCTOBER 2017:**

**SENIOR SOFTWARE DEVELOPER, SPLADAP**

**Spladap Training System:** Built baseball hitting training platform with a small remote team consisting of scrum master and two senior developers. Spladap trainers use the system to create customized plans using instructional videos and drills based on video analysis of trainees hitting.

**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.

**FEBRUARY 2006 — MARCH 2017:**

**SENIOR SOFTWARE DEVELOPER, CLINAERO, INC**

**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.

**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.

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## **EDUCATION**

**BACHELORS: MATH/COMPUTER SCIENCE, WESLEYAN UNIVERSITY**

**SECONDARY TEACHING CERTIFICATE, UNIVERSITY OF HARTFORD**