Robin M. Schaaf

(A Software Developer with a love for UX and Interaction Design)

Contact robinmschaaf@gmail.com or (224) 388-3592
Portfolio: http://robinschaaf.github.io

About Over thirteen years of experience in software development - including strong skills in UI design / prototyping, business analysis, requirements gathering, data analysis / modelling and agile development. Highly motivated to solve challenging problems and design (useful) solutions. And consume coffee.

Skills Server side development   Ruby on Rails (incl. ActiveRecord, RSpec)
PHP   Perl   Unix Shell   SQL (MySQL and Oracle)

Front end development   HTML   Javascript, jQuery, CoffeeScript
CSS   Graphic Design (with Photoshop)   Prototyping (with Axure)

Mobile development   jQuery Mobile   Responsive Design
PhoneGap

Other Tools Git/GitHub   Jira   MySQL Workbench   Visio
Talend OpenStudio

Education DePaul University
M.S., Human-Computer Interaction, expected graduation 2015

Purdue University
B.S., Computer Technology, 2001

Experience University of Notre Dame Libraries - South Bend, Indiana

Sr. User Experience Analyst, Web and Software Engineering - 2/2014 to present

- Information Architecture for the library website (currently in progress)
  - Card sorting with optimal sort and in-person, interviews with stakeholders and end users, google analytics analysis, SEO
- Usability testing of our online catalog/discovery system using Morae
- Wireframing with Axure - one example with responsive design is http://fxx75m.axshare.com
- Developing personas, storyboards and scenarios. Samples are available on portfolio site.

Sr. Software Engineer, Web and Software Engineering - 12/2007 to 2/2014

- Design, developed and implemented various Library applications using Ruby on Rails, jQuery, CoffeeScript, SCSS

- Designed, developed and implemented the Library's Mobile Website / Google App using Ruby on Rails, jQuery Mobile and PhoneGap

- Microdata attribution using schema.org

- My design and graphics work can be viewed at http://m.library.nd.edu and http://library.nd.edu/directory

- Designed, developed and implemented an Electronic Resource Management System (ERMS), including workflow, acquisitions, usage, document and contact management using Object Oriented PHP, MySQL, jQuery and various plugins

- Performed extensive analysis with end users and other stakeholders and conducted frequent design reviews

- Designed the ERMS data model and administrative screens for high customization and flexibility

- Open sourced the ERMS on GitHub which has confirmed use in 51 libraries in and outside the US - can be viewed at https://github.com/organizations/ndlibersa

- Activities around open sourcing including providing technical support to other libraries, making WebEx presentations, writing install scripts and additional customizations for our European users

- My design and graphics work of both the marketing site (in Drupal) and the ERMS can be viewed at http://erm.library.nd.edu

Applications/Project Developer, Library Systems (12/2007 – 4/2009)

- Designed, developed and implemented a reporting data mart

- Performed extensive data analysis on existing operational systems and data modeling for the target data mart system

- Developed and implemented the mart's daily ETL process using Talend Open Studio (an open source ETL tool), unix shell scripting and Oracle's SQL*Loader.

- Designed, developed and implemented reports using an in-house reporting tool for numerous business groups.

- Documentation included source to target mapping, report specifications, data models and development process documentation.

- Researched industry best practices and worked with IT stakeholders to implement recommendations for data mart design.

- Facilitated business requirements discussions.

DC Interactive Group - Elgin, Illinois
Freelance developer, 02/2007 - 12/2007

- PHP/HTML coding for various database-driven Homebuilder, Realtor, and Hospital Websites.

- Technologies included AJAX, RSS/XML, CSS, Javascript and JQuery.

- Design and implementation of MySQL database changes.

Discover Financial Services - Riverwoods, Illinois
Systems Analyst / Developer - May 2001 - December 2006

- Facilitated business requirements discussions and led efforts on technical design, Ab Initio changes, data loading and manipulation, and implementation of Oracle structures for major business initiatives for Discover's Marketing Data Mart

- Utilized personal and business skills to act as a liason between Business and IT stakeholders

- Supported Discover's Unica Affinium 3rd party marketing software package by coordinating database structure changes, updating Unica views via XML, and creating backend processing Unix shell scripts

- Provided project management for Discover Marketing's efforts to bring 3rd party telemarketing and project planning tools in-house

- Provided subject matter expertise on Discover's cardmember business rules database (NCS)

- Loaded and manipulated data with Oracle PL/SQL and SQL*Loader

- Implemented physical structure changes to the NCS Oracle database

- Utilized personal and business skills to act as a liason between Business and IT stakeholders

- Created an intranet-based business rules reporting application to support data change and ad-hoc user querying through a mix of Coldfusion, SQL, Perl, JavaScript, CSS, and PL/SQL

Presentations

Code4Lib 2012, Seattle WA
"Your UI can make or break the application (to the user, anyway)"

American Libraries Association (ALA) Annual 2011, New Orleans, LA
"Open Source Electronic Resource Management Systems: CORAL and ERMes"

BIBSAM Consortium Days 2010, Stockholm, Sweden
      "CORAL Overview"

Electronic Resources in Libraries (ER&L) 2010, Austin, TX
"Can we build it? Yes we can!"