

Jennifer W. Nelson

<http://jennifernelson.io>
<http://github.com/jwncoexists>
<http://codepen.io/jwncoexists/>

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Technical Summary

- AngularJS
- JavaScript
- MongoDB
- Node
- HTML
- CSS, SASS
- Ruby, Rails
- C, C++
- jQuery
- Susy & Masonry Grids
- PostgreSQL
- SQL
- Git
- Bootstrap
- BDD/TDD
- Cucumber
- RSpec
- Capistrano
- Karma
- Mocha
- Redis

Professional Experience

Nelson Software Consulting, San Diego, CA

September 2013 - Present

Software Developer

Develop MEAN stack and RoR web applications. Projects I've developed include:

- MEAN Stack wedding planning site (<http://ujkk16f38f93.jwncoexists.koding.io:9000/> currently under development)
- MEAN Stack USMC Reunion site (<http://usmc-tbsa168-reunion.org/>)
- MEAN Stack Music Player App (<http://jn-bloc-jams-test.herokuapp.com/>)
- MEAN Stack Crowd-Sourced Translation Application (finalist in a Hackathon)
- MEAN Stack Pomodoro Timer App
- Pong Game (<http://codepen.io/jwncoexists/pen/sGkgC>) jQuery, HTML, CSS
- E-learning site (<http://strategichr.drbohnelson.com/>) Ruby on Rails, PostgreSQL, JQuery, Javascript, Cucumber, RSpec, AWS, user authentication & membership, emails, and Resque background processing.
- Reddit-like site (<http://jwn-bloccit.herokuapp.com/>) Ruby on Rails, PostgreSQL

DR Systems, San Diego, CA

July 2004 – November 2013

Manager of Project Management

In charge of project management department responsible for the implementing medical imaging solutions at customer sites. Responsibilities include staffing, financial forecasts, definition of departmental goals and procedures, managing personnel, and day-to-day operations.

Symposium Online Training, Vista, CA

February 2003 – February 2004

Information Technology Manager

Designed and managed IT infrastructure and website for online training company. Improved system up-time through failure analysis and redesign of hardware. Improved efficiency with design and development of an internal learning management system, assisted with proposals and demonstrations for the sales and marketing departments.

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June 1997 – February 2003

Nelson Motivation Inc., San Diego, CA *Software Specialist*

Designed, developed system to estimate shipping costs for the warehouse. Maintained customer databases and developed successful e-mail marketing campaigns. Set up and maintained computer network and software. Designed, developed and maintained company website. Designed and created the largest selection of e-documents for consumer sales available on Amazon.com

System One, La Jolla, CA *Software Developer*

February 1996 – February 1997

Designed and developed software for a variety of clients including 1) 9-1-1 call handling software, 2) event planner software, 3) exercise tracking software for exercise equipment primarily using Visual Basic, Visual C++ and Crystal Reports.

Hewlett Packard, San Diego, CA *Software Engineering Manager*

April 1994 – February 1996

Led a team of people responsible for designing, developing and testing software products for an X-ray inspection system for computer circuit boards. All products developed with an object-oriented design using C++, C, Pascal and Visual Basic.

HNC Software, San Diego, CA *Project Manager*

June 1992 – April 1994

In charge of design and development of a commercial software product to automatically appraise real estate. Developed under Microsoft Windows in Visual Basic and C, and utilized HNC's neural network modeling technology.

Four PI Systems, San Diego, CA *Computer Scientist*

March 1986 – June 1992

Designed, developed a variety of software products for an automated x-ray inspection system of computer circuit boards including: 1) an object-oriented software development environment, 2) parallel processing machine control software, 3) operator interface software, and 4) CAD interface software

Education

- **Front End Web Developer & Full Stack Developer Certification**, BLOC Apprenticeships
- **M.S. Computer Science, Artificial Intelligence**, University of Minnesota, *Minneapolis, MN*
- **B.A. With Honors Mathematics**, Macalester College, *St. Paul, MN*