

# JACK SENECHAL

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## SUMMARY

### Experience:

- Entrepreneurship
- Software Engineering
- Web applications development
- Project management

### Strengths:

- Mathematical problem solving approach
- Attention to fine details
- Great team-work and collaboration
- Ability to synthesize ideas and organize information sets

### Passions:

- Seeing the big picture
- Clear, responsive user interfaces
- Clean code, flexible architecture

## LANGUAGES, TECHNOLOGIES AND INTERESTS

Expert knowledge in Ruby, Ruby on Rails, Linux, PHP, MySQL, XML, JavaScript, HTML, CSS, DHTML/DOM, jQuery, Subversion, Git, CruiseControl, PHPUnit, Selenium. Familiar with Java, Python, Flash/Actionscript, Flex, and other technologies.

Other interests include agile programming practices, design patterns, human-computer interaction, deep logical puzzles, mountain biking, and meditation.

## EDUCATION

Bachelor of Arts from the University of North Carolina at Asheville (May, 2003)

- Major in mathematics, minor in computer science
- Undergraduate research in mathematics
- Graduated with distinction in mathematics

## EXPERIENCE

### OpenTest Pro, LLC JAN 2008 - PRESENT

- Founded the company to provide educational resources relating to automated testing and continuous integration using open source tools in a PHP environment.
- Activities include technical writing, web application development in Ruby on Rails and Flex, studio voiceover recording, and project management.

### Independent Contracting 2004 - PRESENT

- Turnull & Asser - shirtmakers (2008-2009). Built a virtual showroom for their bespoke department, allowing users to browse fabrics and place orders. Ruby on Rails backend, Flash frontend.
- Idance.net - video dance instruction (2004-2005). Designed and implemented an e-commerce site in PHP and MySQL. Pay-per-download purchasing, content browsing and searching, back-end for the client to manage the site with detailed admin reports on purchases and user activity.
- Various smaller websites and components.

### OnForce, Inc - New York, NY JUNE 2006 - DEC 2007

- Programmed features and updates to the OnForce platform.
- Introduced automated testing with PHPUnit. Implemented tests for OnForce's public-facing API. Unit testing infrastructure included PHPUnit with a custom test database refreshing mechanism, Selenium, and CruiseControl.
- Integrated OnForce platform with Salesforce APIs to provide up-to-date customer information for sales and support teams.
- Project managed the implementation of Salesforce throughout the company, and oversaw the administration of the application.

**JBA Network - Asheville, NC** JUNE 2003 - DEC 2006

- Project manager and lead programmer for medium-scale web application, [www.mynewsletterbuilder.com](http://www.mynewsletterbuilder.com) (MNB). Designed the application and wrote the initial release mostly by my self. Later oversaw the development team for the project. MNB is currently one of the main sources of income for the company.
- Developed a modular, object oriented MVC programming framework for PHP.
- Concept development, project management, and programming for other company products and services, including [www.jukeboxalive.com](http://www.jukeboxalive.com) and [www.byregion.net](http://www.byregion.net).
- Systems administration and networking (Linux, Windows).

**US Navy FNMOD - Asheville, NC** MAY 2001 - AUG 2001

- Programmer, database designer. Migrated Navy weather data from a flat text format to a MySQL database. Wrote a Java application for quality checking weather data, and converting it to a MySQL-accessible format.

**Freelance - Sydney, Australia** DEC 1999 - DEC 2000

- Web designer, programmer. Developed a Java search engine applet for a CD-ROM based knowledge bank. Various other web development and graphic design projects.

**Internet Safety Association - Asheville, NC** DEC 1998 - DEC 1999

- Designer, computer technician. HTML and JavaScript programming, graphic design, web design and management, network management, computer repairs and upgrades.

**Various - Asheville, NC** 1996 - 1998

- Assorted computer related jobs and volunteer work, including CAT-5 and fiber-optic network installation, web development, desktop publishing, technical writing, computer repair, and technical support.

*Excellent References Available Upon Request*