NOWELL STRITE
Web Application Developer

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nowell@strite.org

 GitHub (https://github.com/nowells) Twitter (https://twitter.com/nowells) Website (http://nowell.strite.org)

Key Qualifications

- Over 15 years experience building Web applications
- Proven Server-side and Client-side developer specializing in RESTful applications
- Management skills grown out of a strong development background
- Solid communication skills and creative problem solving at every stage of development

Education

Bachelor of Science, University of Illinois at Urbana-Champaign — 2004

Computer Science, College of Engineering

Skillset

 Server-side: Python, Django, Ruby, Ruby on Rails, Clojure, RESTful APIs, SOAP & XML-RPC, NodeJS, Java, PHP, ColdFusion

 Client-side: Javascript, Backbone.js, Require.js, D3.js, Handlebars.js, Mocha.js, Chai.js, LESS, SCSS, CSS, HTML

 DevOps: Chef, MySQL, PostgreSQL, SOLR, Cassandra, Nginx, Apache, Vagrant, Amazon EC2, Rightscale, EngineYard

 Other: Test Driven Development (TDD), Agile/XP, Unit Testing, Continuous Integration, Rapid Prototyping, Database Design, A/B Testing, High Availability, Distributed Processing, Internationalization (i18n), Load Balancing

Experience

WiserTogether, Inc.

Principal Engineer

2013 - Present

Python   Django   Javascript   D3.js   Require.js   Backbone.js   Mocha.js   Chai.js   PostgreSQL   Puppet   GIT

- Led development of interactive visual healthcare decision support tool (http://nowell.strite.org/resume/img/bullseye.gif)
- Created Javascript framework (built on on top of Backbone.js) to ensure consistent approach to frontend Javascript applications
- Established automated frontend testing suite using Mocha/Chai/Karma
- Spearheaded the development of several open source libraries related to expanding Backbone.js testing capabilities

Key URLs: https://mywiserhealth.com (https://mywiserhealth.com) — https://wisertogether.com (https://wisertogether.com) — https://healthactionlab.com (https://healthactionlab.com)

Draker Laboratories

Director of Software Engineering

20011 - 2013

Ruby   Ruby on Rails   Clojure   Javascript   Backbone.js   MySQL   Cassandra   Chef   GIT   i18n

- Architected core time-series data system to replace an aging MySQL solution with a highly scalable service backed by Clojure, Cassandra and RabbitMQ
- Established Agile process to facilitate rapid development and release cycle from a release every few months to multiple releases a week
- Successfully designed, developed, and led the technical merger of our product with an acquired company
- Oversaw and negotiated software staff increase as well as company merger from five software developers to a fifteen member software development team consisting of QA, Design, DevOps, and Developers
- Automated the internationalization (i18n) of the web application into Japanese, allowing for seamless extension to alternate languages

Key URLs: https://solarems.net (https://solarems.net) — http://www.drakerenergy.com/ (http://www.drakerenergy.com/)

Public Broadcasting Service

Senior Manager of Technology Solutions

2007 - 2011

Python   Django   Javascript   Backbone.js   MySQL   SOLR   RabbitMQ   Amazon EC2   GIT   Paypal Payflow Pro

- Successfully launched the nationally recognized PBS LearningMedia service that powers 40+ PBS/partner educational sites
- Architected and developed the RESTful API service for the educational content service that runs PBS LearningMedia
- Designed an automated deployment and scaling infrastructure to meet the growing demand of the APIs to PBS stations
- Managed and inspired a team of 6 diverse in-house developers with multiple off site contractors
- Guided projects through all phases of development as lead architect and developer
- Handled budgeting, project scheduling, application and server architecture

Manager of Digital Development

2007

Python   Django   Javascript   Backbone.js   MySQL   Xapian   Amazon EC2   GIT   SVN   Paypal Payflow Pro

- Managed multiple project timelines and deliverables
- Worked with colleagues to identify and develop solutions to operational requirements and shortcomings
- Negotiated with multiple companies to donate products and services to PBS resulting in recurring savings of over $40,000 (Atlassian, ExtJS, Github, etc.)

Senior Web Technologist

2005 - 2007

ColdFusion   Java   Javascript   Microsoft SQL Server   Microsoft IIS   Visual Source Safe

- Developed and maintained existing e-commerce portal and learning management system
- Initiated transition to open source course platform
- Spearheaded introduction of version control and deployment processes into the product development cycle

Key URLs: http://pbslearningmedia.org (http://pbslearningmedia.org) — http://pbs.org/teachers (http://pbs.org/teachers) — http://pbs.org/teacherline (http://pbs.org/teacherline) — http://pbs.org/peerconnection (http://pbs.org/peerconnection)

BearingPoint

Systems Analyst

2004 - 2005

PL/SQL   PHP   Oracle 9iAS   HTML   CSS   Javascript

- Built a suite of enterprise web applications using PL/SQL (Oracle 9iAS)
- Assisted client program managers in tracking and running metrics on their planned acquisitions and existing contracts

Textron Lycoming

Freelance Web Development Consultant

1998 - 2004

Java   JSP   PHP   ASP   Visual Basic   HTML   CSS   Javascript   DB2   Oracle   Microsoft IIS

- Designed and provided ongoing development and maintenance of national award-winning dynamic Web site
- Created a unique Intranet site providing executives and employees access to critical business and process information
- Developed numerous custom applications and tools to solve unique client problems involving the conversion, automation, and filtering of business data
- Created external marketing site, parts database

Alternate Formats: HTML (http://nowell.strite.org/resume/) — PDF (http://nowell.strite.org/resume/resume.pdf) — Plain Text (http://nowell.strite.org/resume/resume.txt) — DOC (http://nowell.strite.org/resume/resume.docx) — GitHub (http://github.com/nowells/resume/)

✉ **Send Nowell an Email (mailto:nowell@strite.org)**