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 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 the development of an interactive D3.js powered visualization tool that powered our healthcare decision tool (http://nowells.github.io/resume/img/bullseye.gif)
- Developed a foundational Javascript framework for external contractors (built on on-top of Backbone.js) to ensure consistent approach to frontend javascript applications
- Established automated frontend testing suite for our growing single page applications using Mocha/Chai/Karma
- Spearheaded the development and Open Sourcing of several libraries used to grow our 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 the core time-series data system to replace an aging MySQL solution with a highly scalable service backed by Clojure, Cassandra and RabbitMQ
- Established an Agile process to facilitate a rapid development and release cycle that significantly increased customer and company responsiveness and transition us from a release every few months, to multiple releases a week
- Successfully designed, developed, and led the technical merger of our product with our acquired company over the course of two months in order to differentiate us at our largest industry trade show in an increasingly dense competitive landscape
- Oversaw and negotiated a software staff increase as well as a 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   Paypal Payflow Pro   GIT

- 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 and application & server architecture

Manager of Digital Development

2007

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

- Demonstrated leadership as technical lead; managing multiple project timelines and deliverables; working 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 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   DB2   Oracle   Microsoft IIS   HTML   CSS   Javascript

- Designed and provided ongoing development and maintenance of national award-winning dynamic Internet site to allow customers to access company resources (JSP with DB2 backend)
- Created and introduced, with continuing development and maintenance, a unique Intranet site providing executives and employees access to critical business and process information. (ASP with Oracle backend)
- Developed numerous custom applications and tools to solve unique client problems involving the conversion, automation, and filtering of business data (Visual Basic, PHP, ASP, Excel, Access)
- Created external marketing site, parts database

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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)**