NOWELL STRITE Web Application Developer

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

端 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

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

 $\textbf{Key URLs:} \ \text{https://solarems.net} \ - \ \text{http://www.drakerenergy.com/} \ (\text{http://www.drakerenergy.com/}) \ - \ \text{http://www.drakerenergy.com/} \ - \ \text{http://www.drakerenergy.c$

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 Learning Media
- · 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

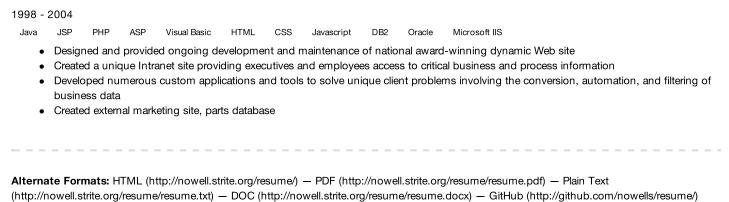
2004 - 2005

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



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