David Souther

Pittsburgh, PA, United States
4065459223
davidsouther@gmail.com
http://davidsouther.com

Technical Skills

Like: ecmascript-harmony, jefri, unix, angularjs, testing

Experience

Software Engineer (Consultant) – Data Online   *June 2014 - August 2014*
node.js, socket.io, redis, angularjs

Spent two months consulting for Data Online, a manufacturing firm in New Jersey. Architected and built a scalable, real-time monitoring platform for various client consumables, and trained the team in building Single Page Applications (SPAs) with AngularJS.

Software Architect – Novus Partners Inc   *October 2013 - June 2014*
angularjs, node.js, gruntjs, scala

As head of Front End Development at Novus Partners, I lead a team of four developers (including myself) in a complete front-end rewrite. Our previous platform was a brittle Scala Server Pages implementation. After releasing this rewrite, our slick & fast AngularJS frontend has become decoupled from the Scala backend, allowing both services to become much more focused and performant. We also build and maintain the NVD3 open-source charting library. I have led an ongoing effort to refactor the original prototype codebase into a maintainable, extensible, and testable library that will serve front-end charting for years to come.

Software Engineer – The New York Times   *July 2012 - October 2013*
nodejs, coffeescript, git

Full-stack developer of the NYT5 rebuild team, rebuilding the nytimes.com property from the ground up. The core online presence of the New York Times handles 45 million unique monthly visitors. Core member of the Prorotype team, building and testing potential new features for the proto.nytimes.com domain. Responsible for the backend stack, including Node servers for data management and AB testing, as well as a variety of systems administration to handle our traffic. Invited to speak on emerging technologies to internal development groups, as well as on behalf of the Times at regional college tech events and tech meetups. Internal git guru.

Software & Technology Consultant – Franken Technologies   *June 2011 - Current*
unix, javascript, java, .net

Through Franken Technologies, I provide a variety of software and technology consulting services. I continue to enjoy a close and profitable working relationship with Entre Technology services, joining their excellence in the information technology world with my software development and engineering expertise.

Chief Software Architect – Design Delegates   *October 2010 - July 2011*
javascript, jefri, php, crosslight, kohana, sqlite, linux

Responsible for the entire technology stack at a start-up software development company. Accomplishments include developing several platforms to facilitate web programing, implementing a continuous integration server across several languages and frameworks, and architecting several medium-scale projects with a team of five developers and designers.

Our largest project was a field agent tracking system, responsible for maintaining scheduling and routing information for hundreds of in-store field marketing agents in Australia. The project combined a variety of technologies, including a scalable PHP backend, dynamic mobile frontend, and extensive reporting capabilities.

In the course of the project, we developed JEFRi, a Javascript Entity Framework to facilitate our mobile development work.

Education

B.S. Computer Science – Rocky Mountain College   *2006 - 2011*

Earned two Bachelors of Science (Computer Science, Mathematics) in five years. Worked on several software development projects with other students in the CS department, including tools to help computational biology research students perform genome analysis on Rocky's local computing cluster.

B.S. Mathematics – Rocky Mountain College   *2007 - 2011*

Tutored for three years. Brought a group of math majors together for regular study sessions, helping all of us work through not just our homework, but the big ideas on topics from philosophy to religion to science, and how they fit together with the material we studied.

Projects & Interests

Stack Overflow – http://stackoverflow.com/users/240358   *December 2009 - Current*

Written 115 answers. Active in javascript, node.js, debugging, gruntjs, php and 4 other tags.

GitHub - flipflops – https://github.com/DavidSouther/flipflops   *June 2014 - August 2014*
coffeescript, angularjs, express

Quit Blogging. Go to the beach.

FlipFlops is a SinglePageApplication (SPA) Static Site Generator. Write and maintain both page and post content in a static folder structure, before serving that content as a SPA, providing many benefits for speed, functionality, and offline reading.

GitHub - stassets – https://github.com/DavidSouther/stassets   *June 2014 - September 2014*
coffeescript, express

Static Asset Compiler using David's Rules

An express middleware to manage realtime updates and building client code. Rather than explicit build steps, stassets lives in the server to return prerendered code on the fly. From a practical standpoint, massively increases development speed.

GitHub - MultiMines – https://github.com/DavidSouther/MultiMines   *May 2014 - June 2014*
javascript, angularjs, socket.io, node.js

HTML5 multiplayer Minesweeper

Creator

GitHub - tdd-angular – https://github.com/DavidSouther/tdd-angular   *August 2013 - June 2014*

A commented discussion of Harry Pierceval's Test Driven Development in Python, but using Angular and Node. Tutorial online at http://davidsouther.github.io/tdd-angular/

Author, developer, educator.

GitHub - s3age – https://github.com/DavidSouther/s3age   *June 2013 - February 2014*

S3age - THREEjs Stage

Created a streamlined declarative API for quickly building THREEjs stages. Also developed many good practices for keeping 3d code clean and testable.

Tools

First Computer:	Generic 386
Favorite Editor:	sublime vim