Overview

- Software developer with considerable experience
- Known for solving difficult problems
- Able to master new technologies with ease
- Passionate about creating software to make life better
- Love technology, computers, programming, algorithms, databases, visualization, and open source (see my GitHub)

Skills

I Do ...	With ...
Scripting	JavaScript / ES6, NodeJS, CoffeeScript, TypeScript, Python, Perl, PHP, Ruby, Bash, PowerShell
Coding	C# / .NET / WCF / WPF / EF / LINQ, Objective-C / iOS, C++ / C, Java, Go, Swift
Web	AngularJS, jQuery, Bootstrap, d3, SVG, three.js, ASP.NET, HTML, CSS
Databases	MongoDB, Redis, ElasticSearch, PostgreSQL, MySQL, LDAP, ArangoDB
Data	Lexers & Parsers, RegExp, JSON, CSV, CSON, YAML, TOML, XML, XSLT
Architecture	Micro-services, REST, ESB, SOA, n-tier, MVC
Misc	BabelJS, jshint, eslint, jscs, gulp, grunt, pep8, flake, shellcheck
Testing	Web Driver / Selenium, PhantomJS, mocha, karma, protractor, istanbul, jscoverage
Performance	Chrome Dev Tools, DTrace, strace, iostat, vmstat, perf-tools
Management	Agile, SCRUM, Kanban, GitHub, Stash, JIRA, Bamboo, Trac, Jenkins
Systems	Mac OS X, Linux, SmartOS, FreeBSD, Windows

Experience

Senior Applications Architect   **Rivera Group**   **11/2011 - 6/2015**

Sellersburg, IN   3.6yr

Spearheaded software projects to solve tough problems in the R&D department with a small group of talented developers.

- Built a distributed micro-services platform to extract actionable information from large and diverse data sets with real-time data collection and analysis using NodeJS and MongoDB
- Developed advanced web UI using AngularJS to allow for custom data modeling and visualization
- Led the effort to port the MongoDB Aggregation Framework to JavaScript / NodeJS

Applications Consultant   **Humana**   **1/2008 - 11/2011**

Louisville, KY   4.0yr

Team leader on an Agile development team responsible for the customer-facing websites and mobile applications.

- Created cross-platform hybrid native/HTML5 single page web app architecture for mobile projects
- Developed patterns and code generation techniques to greatly simplify interaction with services
- Improved source code management scheme to aid the development cycle and reduce risk
- Automated builds and deployments using CCNet and NAnt scripts
- Served as a technical consultant to other teams on different projects within the department
- Promoted standards, learning, and gave talks and training sessions on new tools and technologies
- Helped build a new application for tracking attendance and participation at wellness centers
- Redesigned and drastically reduced development effort for a tool to admin the augmentation of health records
- Helped rewrite policy admin sites and introduced them to jQuery, AJAX, and better interactivity via JavaScript

Engineer   **Win.Net Internet**   **2/2004 - 1/2008**

Louisville, KY   3.9yr

Primary engineer responsible for designing, implementing, and maintaining all software, hardware, and networking.

- Responsible for designing, troubleshooting, maintaining, securing, and optimizing the web servers, email, DNS, LDAP, MySQL, switches, Cisco routers, NetApp storage devices, internal software, audits, and reports
- Extended billing system to automatically send email, fax, and postal statements using Perl and a single HTML template
- Built servers and wrote tools to integrate and automate a third-party spam filtering solution
- Seamless migrations of customer services and data from newly acquired external systems to our platform
- Planned and executed plan to combine and coalesce disparate IP blocks to reduce cost with minimal customer impact
- Developed tool to automate the configuration and testing of a wide variety of DSL routers which dramatically reduced the time and knowledge required to prepare them for customers
- Built a tool to track customers who had not
- Wrote tool to automatically verify availability of DSL for potential customers and still work within the restrictive services provided to us by the telephone companies
- Started as a technician but soon moved to engineer

Education

M.S. in Computer Science   **Georgia Tech**   **8/2015**

Online / GA   0.0yr

- Enrolled for the Online MS in CS program, beginning in Fall 2015

B.S. in Computer Science   **Indiana University**   **6/2002 - 5/2012**

Southeast / New Albany, IN   10.0yr

- Minor in Mathematics
- Placed in top 10 at regional ACM International Collegiate Programming Contest for 4 years