MATTHEW PHILLIPS
DEVELOPER

Download PDF

matthew@matthewphillips.info
(502) - 509-1164

Profile

I'm an experienced programmer with expertise in JavaScript and modern web technologies. I work on open-source projects utilizing web features such as HTML5 audio, CSS3 transitions, and Web Telephony. Additionally I have extensive experience specializing in improving the performance of mission critical applications using multi-threading, bulk processing, and any other tool available. Programming is my passion, and I'm looking to continue my career by getting on board with a company whose business is more in line with what I like to work on in my hobby projects.

Skills

Web Design
Proficient in advanced CSS selectors, transforms and transitions.

Interface Design
Experienced with progressive enhancement techniques to provide a base experience for all clients, and an enhanced experience for modern clients.

Project Direction
Lead projects from beginning to end, acting as business analyst, designer and developer.

Technical

HTML5	Clojure	Ruby
CSS3	Java	Golang
JavaScript	Git/Mercurial	Node.js

Projects

Gazel
gazeljs.org
2011 - 2012

- Written as a way of learning the IndexDB APIs. Gazel acts as a wrapper around the IndexedDB APIs, providing an easier to use interface.
- Gazel allows developers familiar with Redis to develop for browsing using the familiar commands.
- Includes all of the common Redis commands from GET, SET, DEL, INCR, DECR, as well as the ability to update keys in a transaction using the Redis-like MULTI command.
- Featured library on DailyJS (a popular JavaScript blog).

Shrtmsg
shrtmsg.com
2012

- The first mobile client created for the App.net social network.
- Written as an experiment in creating a completely client-side HTML5 application that relied on CORS for accessing the "outside world".

- Made heavy use of CSS3 Transforms to provide a fluid app-like experience.
- Featured in <u>an article</u> on The Next Web about App.net.

Thing.js   2012
Project page

- Thing.js is a lightweight extension to JavaScript's own Object.create command (accessed via Thing.create).
- Provides a simpler API for object creation (using a plain object rather than an object descriptor for properties).
- Adds support for Mixins.
- Adds an object initialization option, something missing from normal Object.create.
- <u>Featured in</u> DailyJS.

More projects...

Work experience

J&L Marketing   2012-present
Lead Developer

- Worked as lead developer on rewriting the internal CMS / production system for a mid-sized marketing company. Wrote every line of code, including all C#, HTML, CSS, and JavaScript.
- Utilized reflexive design principles to achieve an interface that scaled from large desktops down to smartphones. Used Skeleton as the CSS framework, which gave us a 16 column grid system based on the 960 grid system.
- Used several HTML5 technologies on the project, including LocalStorage, Cache Manifest, CSS Transforms and Transitions and CORS.
- Consistently beat deadlines to ensure that the project will be delivered by the go-live date.

Traffic Builders, Inc.   2011-2012
Programming Consultant

- Rewrote the data import process to accommodate the large data loads their business endures (500k+ records import nightly, on one single-core server). The new import service sped up the process; testing large batches which normally took 65 minutes to process now import in ~7 minutes.
- Maintained their reporting web application, adding features as requested (http://www.revreports.com).
- Rewrote the service letter export process, stream-lining the code and building proper base classes, abstract classes, and interfaces where necessary. New code resulted in 30% faster processing.

Republic Bank   2010-2012
Programmer

- Designed application process for a debit card program. Interfaced with FIS web service APIs to transfer large sums of money across IP (tens of millions of dollars). Wrote Windows services to facilitate the transfer of money to customer accounts via flat files picked up by the bank.
- Worked with a web service to validate checks to be cut and sent to customers. Tightened the code resulting in an increase of performance by 150%.
- Designed and coded the new Release Check process, responsible for releasing all checks sent to customers as part of the bank's tax season business. This process is responsible for releasing billions of dollars to customers in only a few months. In the old, SQL based system releasing a large back of checks would take an hour and a half. In the newly designed process a batch of that size takes about five minutes.
- Worked with the OFAC system to screen for possible criminal customers using regular expressions.

Traffic Builders, Inc.   2008-2010
Application Systems Architect

- Designed and developed a service reminder letter program, which included variable print data. This product led to an expansion in business due to the increased flexibility by having it in house. Developed Windows Services in C#, stored procedure for handling data in T-SQL, and created a user interface in ASP.net/C#.
- Developed reporting system to track client's marketing performance. Competing companies later developed a similar reporting product. Reports run on a schedule (program written in C#), running a series of stored procedures (T-SQL) to encapsulate data, then displayed in a Crystal Reports.
- Lead programming developer of the Results Exceleration & Verification (REV) automotive service marketing system. Developed a series of automotive targeted marketing products in C# (Windows Services, Console

applications) and T-SQL. Created interfaces for internal customers in ASP.net.

- Upgraded data warehousing systems to accommodate new data sources, resulting in the savings of $1,000+ per month for the company. Wrote new procedures (C# and T-SQL) to handle the importation of CSV data files from a variety of sources into the production database.
- Developed a prediction algorithm for improved precision in one of the company's flagship products. The algorithm is written as a T-SQL function utilizing linear regression. A stored procedure handles running the function over many rows of data on a nightly basis.
- Maintained the performance of the REV database system. Used SQL Query Analyzer to optimize queries containing INSERTs of large quantities of data, resulting in 80+% performance improvements. Created maintenance plans (daily and weekly) to reorganize indexes and rebuild statistics on all tables (20+) in the database. Created traces using SQL Server Profiler to find troublesome queries that created bottlenecks on the server's performance.

Kentucky Transportation Cabinet   2007-2008
Systems Administrator

- Served as primary liaison to IT for technical projects impacting Division of Right of Way and Utilities operations and processes. Facilitated communications with impacted stakeholders from interdisciplinary projects teams, utility companies, and road construction contractors. Teamed with developers to review use cases, source code, workflow process maps, and data models. Provided daily guidance for functionality, systems performance, adherence to user specifications, and acceptance testing. Developed custom tracking, monitoring, and reporting tools used to administer multiple, concurrent initiatives.
- Provided system administration expertise for development of Right of Way Management System (RWMS) project valued in excess of $100,000. Helped QA code written in C# and ASP.net to ensure it met the project specifications.
- Developed suite of reporting tools using Crystal Reports, MS Access, and Web Intelligence that provided unprecedented levels of project tracking and monitoring capabilities.
- Enhanced real-time financial tracking capabilities by creating improved querying capabilities in MS Access database.
- Set standards for professionalism, interdisciplinary relationship management, and business workflow analysis as first team member to hold the role of Systems Analyst.

Education   University of Kentucky - Lexington, Kentucky
Bachelor of Arts, History

Matthew Phillips — matthew@matthewphillips.info — (502) - 509-1164