

# Phillip Puleo

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Experienced web application architect and developer, specializing in JavaScript MVC framework development, touch-enabled web applications, and full-stack development with the MEAN stack

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## Abilities

### Front-End Web Development

- Expertise with advanced JavaScript MVC/MVVM development and patterns; rapid prototyping of highly performant web applications for mobile touch devices.
- Advanced development experience with AngularJS including authoring complex directives, services, controllers, and filters; working with animations, routing, states, \$resource, and \$q.
- Extensive experience hand-coding robust, concise, object-oriented JavaScript; manipulating JSON/XML; creating modules; working with promises; developing single-page asynchronously data-driven UIs; and working with libraries like jQuery, YUI, and Dojo.
- Expert ability to hand-code standards-compliant HTML and CSS, leveraging emerging capabilities in HTML5 and CSS3 to progressively enhance functionality. Familiarity with OOCSS, SASS, CSS3 animations, transitions, flex-box layouts.
- Familiarity with automated builds, deployment, and continuous integration strategies; NPM, Bower, and Grunt; source control with git and subversion.
- Adept with cross-browser testing, graceful degradation, and responsive design techniques to deliver reliable, device-appropriate experiences across platforms.
- Expertise developing richly interactive data visualization systems utilizing cloud-based data storage services, the Google Maps JavaScript API, and the Highcharts JavaScript library.

### Back-End Web Development

- Adept at creating secure REST APIs using node.js, Express, Mongoose, and mongoDB; designing and implementing routes, passport authentication and authorization, session management.
- Familiar with basic object-oriented PHP development, MVC architectures, and rapid development frameworks like CodeIgniter; comfortable with development in a LAMP stack environment.
- Familiar with basic object-oriented ASP.NET C# development in Visual Studio, master/content page model, database CRUD interaction, server-side input validation; advanced experience implementing forms authentication and extending membership and role providers.

### Database Design and Administration

- Familiar with NoSQL database concepts, designing and managing mongoDB collections, constructing data models with mongoose, validation, subdocument population, query building.
- Intermediate experience developing SQL database schema and ER diagrams, defining field types and constraints, creating T-SQL queries and stored procedures.
- Practical experience installing, configuring, and supporting enterprise database infrastructures; Microsoft SQL Server mirroring, data integration and transformation in SSIS; MySQL administration.

### Content Management System Development

- Advanced expertise installing, configuring, and customizing Drupal 6/7 and WordPress 3.x; developing custom CMS-based web applications, and maintaining CMS installations.
- Familiar with Drupal theming best practices and custom sub-theme creation, custom module development, and evaluation/integration of contributed modules; WordPress plugin development.

## Experience

FLARE, San Francisco, CA

### Web Application Developer

9/2013 – present

- Architected a secure REST API built on node.js, Express, Passport, Mongoose, and mongoDB.
- Developed a single page, mobile-first, cross-device/cross-browser web application for real-time location sharing utilizing AngularJS, web sockets, and the Google Maps JavaScript API.
- Implemented a structured, automated development environment and continuous integration workflow using NPM, Bower, Grunt, and git hooks.

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SUBATOMIC SYSTEMS, San Francisco, CA

### Developer

10/2012 – 8/2013

- Architected and developed a mobile web application publishing framework and reusable UI component library based on node.js and AngularJS.
- Developed CMS web application projects built on Drupal and AngularJS for enterprise clients.
- Performed extensive research, development, and mobile device optimization of touch-responsive web UI components for performance on par with native app interfaces.

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PHIL PULEO CONSULTING, LLC, San Francisco, CA and Phoenix, AZ

### Freelance Web Developer

7/2011 - present

- Designed, themed, implemented, and customized Drupal 6/7 and WordPress 3.x websites; authored complex custom Drupal views and WordPress Plugins.
- Created graphic designs, wireframes, functional mockups, information architecture and website documentation.
- Provided website support, maintenance, bug fixes, and ongoing development services for commercial and academic clients (incl. UC Berkeley, ASU, NameMedia).

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ARIZONA STATE UNIVERSITY, Tempe, AZ

### Senior Web Application Developer, ISSR Systems Administrator, ISSR

7/2007 – 6/2011

7/2005 – 7/2007

- Served as lead developer and project manager on application development projects; architected and supported complex Drupal solutions; managed the Research Technology Services division.
- Designed and built custom research technology systems and web applications using Drupal, PHP, MySQL, ASP.NET C#, MS SQL, Google Maps APIs, and JavaScript (including jQuery, YUI, and Dojo).
- Created, managed and branded enterprise-scale SharePoint web collaboration portals; coded custom SharePoint-integrated applications.
- Architected, installed, and administered servers and storage systems to support web application development and hosting.

## Education

ARIZONA STATE UNIVERSITY, Tempe, AZ

**Master of Science in Information Management**  
May 2007

BOSTON UNIVERSITY, Waltham, MA

**Microsoft Certified Systems Engineer Program**  
October 2004

UNIVERSITY OF MASSACHUSETTS, Lowell, MA

**Bachelor of Music in Sound Recording Technology**  
August 1998

## Certifications

MCSE 2003, MCSE 2000,  
MCSA 2003, MCSA 2000,  
A+, Network+

## Portfolio

<http://phillippuleo.com>