



MARC CARULLO

Reston, Virginia

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SUMMARY

Specializing in full-cycle, web & device application development.

Extensive experience with UI + UX best practices, data architecture and work in both private and public sectors.

EXPERIENCE

Contract Web & Mobile App Developer [MarcCarullo.com](http://marccarullo.com)

Reston, Virginia (2002-Current)

50+ projects completed for numerous industries. Four custom-built apps currently live on both Google Play and the Apple App Store.

Utilizing extensive knowledge of various APIs, frameworks and languages including Google Maps API, Mailchimp, Stripe Payments API, Plaid Payments API, Wikipedia API, CSS3, Javascript, jQuery, HTML5, Chart.js, Bootstrap, SQL, CRON, AJAX, PHP, Node.js, NPM, Android Studio and Apple Xcode + push notification payloads/services (APNs, Firebase).

SELECTED PROJECTS

Requisition / Project Tracking Application <http://reqlookup.marccarullo.com/>

The client required a tool that accessed an existing SQL database. Originally conceived as a supply requisition browser, it developed into a micro project-tracking application. A client-side admin element was also developed to manage projects and tool display settings.

Accomplishments

- Built requisition lookup filtered by multiple criteria
- Created a map view with project locations
- Created multiple LTM graphs for project data
- Developed application layout with responsive UI
- Developed multiple automated scripts for monthly metrics reporting

Android + iOS App Development [app.rekonn.app](#)

Remote project for location-aware app.

Accomplishments

- Developed wireframes for UI/UX considerations
- Developed database schema for the application
- Developed all database queries for App
- Basic features include:
 - Location-based push notifications
 - Opt-out push notification settings
 - International search functions
 - Parsed Wikipedia band search + bios
- Created splash page for app
- Developed admin panel
 - Push notification fire control / push log
 - Latest app user activity
 - Band, festival & venue management
- Established versioning scheme, profiles, certificates, icon set and published on the Apple App Store and Google Play

Android + iOS App Development [tourlab.rekonn.app](#)

Remote project for interactive tour builder app, using twelve years of booking and venue data.

Accomplishments

- Developed wireframes for UI/UX considerations
- Developed database schema for the application
- Developed all database queries for App
- Basic features include:
 - Create date span for tour
 - Popular booked venue lists
 - Venue suggestions (location-based)
 - Submit tour once confirmed
- Created splash page for app
- Developed admin panel
 - Push notification logs
 - Latest app user activity
 - User management
- Established versioning scheme, profiles, certificates, icon set and published on the Apple App Store and Google Play

Social Networking Platform www.motormeet.com

Ashburn, Virginia

Remote project for a vehicle-centered social networking platform. Full development responsibilities.

Accomplishments

- Gathered requirements from client for project
- Developed database schema for the application
- Developed wireframes & modified per feedback
- Designed social media infrastructure
- Basic Features include:
 - User Activity feed
 - Flag Content functionality
 - Private Messaging between users
 - Record Board for ¼ track times
 - Record Board confirmation process
 - Classifieds Section for buying/selling
 - Crews connect up to 20 users
 - Challenge users at local racetracks
 - List and Rate Local shops
 - Search for local Meets and Cruises
- Optimized content for mobile devices
- Developed Administration Panel to manage all site activity

Web Application Development, Local Law Firm legal.marccarullo.com

Rockville, Maryland

Remote project for managing current and past case information. The data needed to be searchable across multiple criteria including Litigant, Case Number and Case Status.

Accomplishments

- Gathered requirements from client for project
- Developed database schema for the application
- Created color-coded, dynamic status graphics (CSS3, Bootstrap and jQuery)
- Designed a function for hotlinking case files
- Included update functionality via passcode
- Optimized application for tablets and desktops

**Web App Development, Department of
Commerce - National Institute of Standards and
Technology**

nistbuild.marccarullo.com

Gaithersburg, Maryland

Remote project for searching, displaying and managing a large amount of data from carbon capture experiments. Big Data methodologies employed with full-build responsibilities.

Accomplishments

- Gathered requirements from client for project
- Developed database schema for the application
- Developed JSON parsing script for importation into SQL database
- Developed real-time visualization function for returned isotherm results
- Developed multi-faceted admin portion to control and manage contents
- Published and submitted supporting documentation for application

EDUCATION

York College of Pennsylvania

Bachelor's Degree - Interactive Design (2002)