

David A. Flatley

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Senior Software Engineer

SUMMARY

- Project experience includes architecting web, mobile, and client-server-based applications with budgets in excess of \$1 million for Fortune 50 companies
- Wrote published articles and sample applications for the Adobe and Zend websites
- Managed and lead teams of developers both remote and on-site with Agile methodologies
- Highly active and recognized member of the Adobe Developer community, with many contributions to the blogosphere, open-source projects, frameworks, and other software

TECHINICAL EXPERTISE

Programming Languages/frameworks

Python, Docker, React, JavaScript, Node, TypeScript, PHP, jQuery, Redux, Angular, Vue, Bootstrap, Java, C# .NET, Grunt, Jade, Git, Gulp, Handlebars, Sass, Lamp, React Native, Expo, Facebook, YouTube, Twitter and other APIs

OS's: Windows, Mac OSX, Linux, Kali, Redhat, Ubuntu

Databases: MySQL, MariaDB, Microsoft SQL Server, SQLite, MongoDB

EXPERIENCE

Elder Research, a MANTECH Company

Senior Software Engineer

March 2022 – Present

- Administered Qlik Cloud tenants, APIs, and permissions for Defence & Intelligence/Homeland Departments
- Built & deployed Qlik “mashups” with custom LangChain/FastAPI on AWS CDK stack
- Integrated MapBox with Qlik map charts for more performant & accurate mapping
- Built Qlik apps with automatic identification system data to plot ship paths with geospatial visualizations
- Built course learning material using custom Docker images
- Helped create and took part in Servant Leadership Model courses and training
- Created and curated a course on DevOps with Python and Azure for Fortune 50 client
- Responsible for running, building, and maintaining Statistics.com website in WordPress
- Lead the team to rebuild Statistics.com with custom block theme and plugins
- Supported Canvas Learning Management System for Learning & Development Department

PXL Designs, LLC – 2006

Boston Micromachines

Independent Contractor

August 2020 – 2022

- Modified existing custom theme to get excellent GTMetrix and Google Page Speed Insights scores
- Continuously handling SEO for page one Google results on most desired keywords

BestOfTimesStore.com

Independent Contractor

August 2021 – December 2021

- Designed & developed custom WordPress theme and Gutenberg block plugin
- Handled all SEO and got the site ranking on page one Google results locally and nearby
- Used Smash Balloon Instagram plugin so client can continuously update products on site automatically

LastWhispers.com, LLC

Independent Contractor

July 2021 – 2022

- Rewrote existing PHP website with custom WordPress Theme and Plugin.
- Integrated MemberPress, GravityForms and addons, GravityView, Stripe, and other third-party plugins
- Focused on ADA compliance/accessibility and site speed
- Handled all SEO and removed toxic backlinks and keywords to get the site ranking

Craft & Communicate

Independent Contractor

July 2020 – April 2021

- Provided frontend responsive, mobile-friendly development for a fleet of client WordPress sites
- Built custom WordPress plugins to connect to client's CRMs
- Handled DNS configuration and migrations of domains/websites to Flywheel
- Focused on ADA compliance/accessibility and site speed

Buink*Independent Contractor**October 2019 – February 2020*

- Provided frontend responsive, mobile-friendly development for the Defend Your Money app
- Utilized Vue 2, Bootstrap, and Sass for responsive, dynamic user interfaces
- Workflow utilizes Trello, Docker, Bitbucket

The Meridian Group (W2)*Senior Web Developer**April 2015 – September 2019*

- Responsible for building and maintaining approximately 100 LAMP-based web applications, WordPress and custom PHP sites, and Angular mobile apps built with Cordova
- Built custom WordPress plugins, APIs, and integrated functionality with third party software
- Linux IT cloud management, security, penetration testing and administration of multiple servers and web sites.
- MySQL database administration, management, and reporting

Twin Technologies*Independent Contractor**November 2014 – March 2015*

- Worked on frontend of the UnderArmour.com b2c site using AngularJS, React, NodeJS, and MongoDB
- Utilized ColdFusion, Java and MSSQL for legacy code integration with newer JavaScript ecommerce stack.

RAO, Inc*Independent Contractor**October 2012 - 2019*

- Created a series of travel-related iOS apps for use in learning languages, available on the App Store
- Apps originally built with Adobe AIR for mobile and were later updated with a Cordova/Adobe Top Coat/Twitter Bootstrap/AngularJS stack.
- Most recent version of the apps were rebuilt using React Native and Expo.

CIM Solutions, Inc*Independent Contractor**September 2012 – 2016*

- Created factory/automation web-based application for real-time viewing of data
- Server-side stack uses LAMP/Node.js/socket.io (RESTful services and socket server)
- C# .NET 4.0 Windows form utilizes a 3rd party tool (OPCLabs) to consume factory data to send to an Amazon EC2 instance with the hosted web services (Slim PHP framework and NodeJS/socket.io)
- Client-side makes use of Bootstrap, jQuery UI and AngularJS, jQuery plug-ins include DataTables and jTable (for C.R.U.D. on the database) and socket.io client to display factory data as fast as 250 milliseconds

HD Interactive, Inc*Independent Contractor**July 2011 – 2013*

- Created the MiWare Corp AIR application with Flex 4.6 and Parsley framework.
- Application utilizes custom Pixel Bender filter to remove user from the background in real-time via a webcam to create a green-screen effect with higher quality than Apple's PhotoBooth application.
- The application uses extensive FFMPEG commands invoked from a PHP server-side application running on Amazon EC2 instances to create the final video dynamically and serve to the end user.

Adobe Systems, Inc*Independent Contractor**May 2009 – 2013*

- Wrote and updated articles for the Adobe Developer Connection site on Flash and related technologies
- Authored Flex 3, 4, and LCDS samples for Adobe's Tour de Flex application for the Evangelist Developer Team
- Created Flex 4 sample applications with ColdFusion, Java, and BlazeDS server-side technologies
- Managed to get PXL Designs listed on the Adobe Preferred Vendor list

Capital One/IronWorks Consulting*Independent Contractor**July 2008 – August 2009*

- Subcontracted as the Flash Platform Architect for Fortune 500 Company Capital One. Completed Phase I of the well-known Credit Card Lab RIA application to allow current customers to customize their credit cards and terms online through Capital One's existing portal website
- ASDoc creation through customized Ant build scripts to be implemented in providing documentation for the application and allow versioned builds
- Front-end Flex application utilized RESTful web services built on a Java backend
- Mentored Flex developer team on best practices and fulfilled the role of Team Lead both onsite and remotely

Peekaboo Paperie.com – PXL Designs project*Independent Contractor**May 2008 - 2009*

- Developed a website and RIA application for PeekabooPaperie.com, an online baby announcement e-commerce site, and created their presence on the web
- Flex application utilizes PHP and MySQL on the server-side
- Within three months of going live, PeekabooPaperie's sales have skyrocketed, blogs have lit up with interest, and the site won an Adobe Site of the Day award

February 2006 - 2015

- Refactored and upgraded AngularJS sales web application
- Developed various RIA applications built in Flex, Flash and AIR, including online photo album, mapping, and movie match desktop applications
- Created the TapperNimer.com website and RIA application

PRIOR CONSULTING WORK EXPERIENCE

Medco Health, Franklin Lakes, NJ

Web Developer

2/03-6/05

Computer Horizons - GTriad, East Hanover, NJ - New York, NY

Senior Graphic Designer/Web Developer

6/00-1/03

CSI, East Hanover, NJ

Web Developer

2/00-6/00

Intel, Dialogic Division, Parsippany, NJ

Graphic Designer

5/99-2/00

EDUCATION

Bachelor of Science – Data Science – Data Visualization Specialty (currently enrolled)

GPA 3.85

Old Dominion University, Norfolk, VA

2027

Associate in Applied Science - Graphic Design

County College of Morris, Randolph, NJ

GPA 3.25, Academic Dean's List

August 1999

KEYWORDS

PHP, WordPress, NET 4.5, jQuery, JavaScript, TypeScript, AWS, CDK, React, React Native, Expo, axios, Redux, HTML 5, pentester, SEO, iOS, XCode, MySQL, MariaDB, Bootstrap, Sass, LESS, css3, html5, C#, Node.js, socket.io, Python, Bash, FFmpeg, LAMP, cloud, ci/cd, Trello, Git, Bitbucket