Ryan Weiss
Senior Full Stack Web Developer
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EDUCATION

Rutgers University (2004 - 2008)

B.S. in Computer Science, Minor in Music

FULL-TIME EXPERIENCE

Adaya AI (adaya.com) - Director of Technology (January 2021 to January 2023)

Lead architect and full stack developer responsible for all technical operations, including new hire, interviewing, recruiting, and training. Product was a B2B ad analytics platform to combine all ad integrations into one, along with a custom storefront tracking snippet to record all ad+user activity on the business' storefront. The platform analyzed the analytics data with Big Query and a myriad of custom operations to display all ad activity and relevant relationships to originating ads, as well as suggestions on which ad campaigns to increase or decrease, according to performance.

EnvoyAI (envoyai.com) - Senior Software Engineer (August 2017 to August 2018)

First hire and lead developer for a healthcare startup out of Cambridge, MA. Designed and implemented entire developer portal, https://portal.envoyai.com, front-end and back-end, utilising node.js (build on Express) with Okta for user management, AWS integrations (EC2, ECS, CodePipeline, CodeCommit, CodeDeploy, Lambda, Fargate, Aurora, S3, CloudWatch, CloudFront, IAM), REST API, and a React SPA client. Developers can manage and test custom dockerized algorithms (ie. AI "machines") and manage versioned deployments of each. These machines can then be utilised in a hospital setting with input data, ie. DICOM files, put through the algorithms in order to retrieve a computed result. Our system manages all communication, data transfer, request management, redundancies, logging and statistics.

More Perfect Union (thechisel.com) - Full-stack Developer (December 2015 to May 2016)

Lead developer for https://thechisel.com, written in node/Express.js, ember.js, LoopBack, MongoDB, and MySQL. Chisel is a website for political advocates to collaborate on reformation proposals that can be reviewed and revised by a panel of experts, and eventually elevated to proper political avenues to help induce change.

Huge Inc. - Software Engineer (December 2014 to March 2015)

ASP.NET and full-stack developer for the www.hugeinc.com website, maintaining the codebase, optimizations, working with SiteCore CMS. Diagnosing issues between Dev, QA, and Production environments, migrating database from SQL Server to Cassandra. Using Jenkins and Chef as build and automation/continuous integration tools for deployment.
Practiced SCRUM and Agile methodologies, working with a team of ~10 people, including two other backend developers.

Publicis Modem - Lead Backend Developer (July 2012 to February 2013)

Lead ASP.NET backend developer for Garnier USA and Garnier mini-sites, allowing for user recommendations, newsletter subscriptions, tracking, giveaway requests, and review submissions with photos. www.garnierusa.com/olia
Worked on a team of about 5 developers, 3 backend and 2 frontend. I acted as the mentor for the backend developers and generally architected most of the solutions.

Elephant Ventures - Software Engineer (August 2011 to July 2012)

~15 person firm, practicing SCRUM and Agile methodologies, deployment automation, implementing best practices.
Lead developer for www.pitneybowesmeter.com (PHP, jQuery), handling e-commerce shopping cart experience on the back-end, security and session management, database design, and also front-end jQuery implementation. Interaction with third-party SEO services: ClickTale for recording user's movements and actions, Google tracking, analytics, and adwords.
PHP backend developer for GroupSlots, an iPhone app prototype of a social layer to slot machine playing through the use of mobile devices. Users can group up using Bump, Facebook, and other services on their phones, and choose a prize/goal they want to work toward such as a free dinner or Xbox. Users are notified of player/group wins via push notifications.
Lead developer for www.generalsnus.com (ASP.NET/C#) refactoring, integrating and extending enterprise-level Orchard CMS into the site's existing framework.

R/GA Interactive - Software Developer (May 2007 to August 2011)

ASP.NET backend developer for the "Agency of the Decade". Worked on the following sites: www.rga.com, www.smallbusiness.verizon.com, www.barnesandnoble.com, www.loreal.com.
Verizon Small Business: Implemented the entire backend for the 'Bundle Builder', a tool to allow business clients to

customize service options and deals, as well as catalogue and persist the data.

Lead developer for the Internal Reporting system and internal company website/intranet. Consists of architecting reporting scenarios and solutions, creating independent systems (e.g. automated emailing daemon), RDBMS database management and administration, blackberry-accessible web pages, Excel API's and worksheet generation, and much more. Utilizing Entity Framework and WCF to handle data abstractions and communicate with server-side webservices. Work takes place in small groups with strict deadlines and includes formulating architectural solutions and implementing them per client requirements. Employing ASP.NET MVC3 principles and an inherent understanding of design patterns. Experience with custom request and response handling, RSS feeds, social network interfacing with third-party API's.

Prior to 2007...

MyDorp – (September 2005 to August 2007) - Lead developer for an earlier implementation of a web operating system and dynamic service creation/hosting community, ie. something akin to the Cloud for a myriad of languages and "app" implementations on the web. Technologies used: ASP.NET, Java, HTML/CSS/JavaScript, custom Eclipse plugins.

Rutgers University – (January 2005 to May 2007) - Lead developer for www.livingston.com, working with PHP and MySQL, helping to maintain and create various new and existing user pages with dynamic data and administrative functionality, working one-on-one with the dean of Livingston College.

FREELANCE EXPERIENCE

Tier 33 Productions - https://tier33.com - December 2023 - Designed and developed a fully customized single-page React application for a local audio/visual equipment rental and production company. Employed AWS Lambda for streamlined backend functionality, while hosting the site statically on AWS CloudFront and S3 for optimal performance and reliability.

UrbanDaddy DrinkList - https://drinklist.us - December 2020 - Refactored and created a new frontend and backend for an online drink creation/exploration website. Backend is in Django/Python, and the frontend is custom JS (with some jQuery), and responsive. Uses memcached as an intermediary database layer, updating data from a Google spreadsheet!

Opus Logica - March 2020 - July 2020- Retainer of freelance work for a few projects. Helped maintain OpusWorldWind project, an extension of 3D WebGL methods for the Nasa WorldWind library, for working with 3D objects on a map - https://github.com/opuslogica/OpusWorldWind. Also worked on a Ruby on Rails admin application for an iOS/Ionic app, to manage the data and reporting for the application that is helping Crohn's patients work with IoT data from devices.

eSupportHealth - June 2020 - September 2020 - https://appdev.esupporthealth.com/ (demo) - built entire backend (PHP/Wordpress), and architected and built frontend infrastructure (responsive React SPA) for a health services website which coordinates Zoom meetings between coaches and members, and allows for scheduling and planning by users. Coaches manage users and groups from the Wordpress backend, and users can manage their meetings on the frontend application. Utilizes Stripe subscriptions as payment methods.

Quuie - January 2020 - April 2020 - Mobile-first, single page application built on Angular 8, with a Java backend, for clients to manage building simple webpages with a drag and drop UI. I built the entire frontend, to manage building pages, defining blocks, build styles, and persisting to backend.

One Night - https://onenight.com - August 2019 - February 2020 - Full stack developer for a Laravel backend, React web client, and some iOS revisions, on a remote team of 5 people. Primarily doing refactoring, bug fixes, and new feature implementation, utilizing CircleCI, PHPUnit testing, Google DialogFlow/chatbot, Rollbar logging, Synxis/booking API syncing.

Surprize - (internal app) - July 2019 to August 2019 - Internal application to manage celebrity bookings. React Native mobile app written through Expo, as well as a React desktop site utilizing Gatsby for static site generation.

KK & Jay - https://kkandjay.com - December 2018 - June 2019 - Sole developer for fully responsive ecommerce React site with node/Express and Shopify backend.

Ripe - https://ripereference.com - July 2017 - Created an entirely new responsive, custom front end, and made modifications to the backend (node.js) to facilitate the management of the client job position/interview creation process, and also an end-user/job applicant process to submit video responses to the created interviews. All data is stored on AWS. Dev tool stack includes usage of ansible for automated packaging and deployment to S3, using DynamoDB for data storage.

Shackshare - https://shackshare.com - June 2017 - Helped to create this custom Laravel application which serves as a sort of AirBnB for college students. I took over as lead developer and built new responsive pages, and was responsible for both the frontend and backend tasks.

Kitmoda - https://kitmoda.com/ - June 2017 - Created a completely responsive mosaic gallery in javascript that supports X-x-Y sized grid elements that animate position according to window size in an organic way. The algorithm can take any arbitrary images and detect their optimal size ratios depending on their width and height. For a demo (without images), please see: https://codepen.io/rw3iss/pen/VpORWQ (resize page for effect)

Logicbrush Studios - October 2016 - May 2017 - Helping out on a variety of full-stack PHP projects, so far including urbanturf.com, devines.com, and kevah.org, jonwye.com, transientprotectiondesign.com, leftchannel.com, and

christianosgifts.com. Working with WordPress, Laravel, ExpressionEngine, Magento, Silverstripe, and a variety of frontend technologies.

Fabworx - http://fabworx.org - October 2016 - Lead developer for a WordPress site featuring an online shop and showcasing various services for fabricated car parts. I completely customized the frontend (adapted from an existing theme).

Shindig Events - https://shindig.com **-** August 2016 - Fully responsive WordPress site showcasing case studies with media, a blog, and upcoming events. Functioned as lead developer for both the frontend and backend for a full frontend rebuild, and some minor backend refactoring. Frontend is completely custom, build from the ground up by myself.

Tuebora - http://tuebora.com - August 2016 - Helped design and implement new responsive landing pages for various user access management suite of products.

Kubi - https://revolverobotics.com - WordPress site where I designed and built a new responsive homepage, product landing pages, and checkout experience. It utilizes lazy-loading of background videos and animation, uses HTML5 video with custom player controls, and is visually responsive.

Rowan University - August 2015 - Integrated SimpleSAMLphp module with a Drupal backend to communicate single-sign-on with a Canvas (learning management system) remote service provider, with Drupal acting as the user database. Ongoing maintenance of Drupal system and integration of new solutions and projects for the school.

www.Internet.org - http://internet.org - March 2015 - Lead PHP developer for a Facebook campaign helping to bring internet to the rest of the world. I was responsible for making the site multilingual. Site is built on Laravel 4 utilizing Amazon S3 web services. I built a custom plugin to manage the localization from a remote Amazon S3 repository, caching locally. I also built a custom CMS to manage and update the available language files for each supported locale. Utilizing composer, grunt and bower as build tools.

YiHa.me - http://yiha.me - February 2015 - Startup site for beta application signup and publicity. Mailchimp integration for subscription list. Kickofflabs.com integration for support. Backend in Wordpress with a service layer for storing signups in local MySQL database, and a small CMS to administrators can see those signups.

DeCaro Trucking - November 2014 - Lead developer, architect, and designer for a local application that is written in PHP and services an Angular.js frontend which manages trucking orders and deliveries, and can be used to organize and create invoices as well as exported PDFs. The local application is cross-platform (built with PHP, served from a local server, wrapped in Qt/C++, using WebKit and pointing to the PHP site), which automatically syncs with a "master" application on the cloud (where clients can submit orders through), to maximize available redundancy.

Figibox - http://www.figibox.com - September 2014 - Lead developer for a WordPress social "geocaching" website with a simple aesthetic and newsletter signup. The project is about to move to a node.js server and full-featured web application.

OldSpice Hairstimonials - http://oldspice.devmu.com - January-March 2014 - Lead backend developer and server administrator for a high-traffic (about 50k users a day) small video site. Responsibilities included working with Amazon EC2, S3, RDS, Route53, CloudFront serving of data, server optimization of Nginx and PHP APC. The backend was coded custom to be highly optimized, and includes a custom CMS (written in PHP and Angular.js) for managing all video data and site configuration, with a reporting infrastructure and service interface to track how videos we're being watched, with filtering and .csv export abilities. I also helped with some of the frontend Angular.js components.

Cooper Union - Frontend effort to create a virtual timeline of events with a searchable interface and custom navigation zoom box where you can hover to different sections of the timeline, with the ability to expand items. Data is pulled dynamically from a remote Google Docs API.

True Renaissance - www.truerenaissance.com - January 2014 - Lead developer and server administrator for a Wordpress-based site dedicated to Renaissance artwork. Includes social integration with LinkedIn, Pinterest, and Facebook, and also custom PayPal payments.

ESPN Fantasy Football Toolkit - http://games.espn.go.com/ffl/fantasyfootballtoolkit - July 2013 - Lead backend developer demonstrating competence in architectural principles for a high stream of users who use the toolkit to manage their fantasy leagues online, vote for drafting dates, and follow different 'grades' of player progress. Written in PHP and MySQL, in conjunction with two other frontend developers. Integration with ESPN's webservices and player data.

Nabisco Party In Play - http://nabisco.stayhonest.com/ - January 2013 - Lead frontend and backend developer for fully responsive superbowl party site made wth HTML5, jQuery, Modernizr, compatible with IE7. Small backend is coded in ASP.net/C# and uses Nabisco webservices to retrieve recipes and display them in dynamic carousels and individual pages. Social integration with Facebook, Twitter and Pinterest.

AthletesTouch - https://www.athletestouch.com - January 2013 - January 2014 - Lead developer and server administrator for Wordpress-based athlete business meetup community. Includes Wordpress customization, responsive design elements for mobile and tablet, and also integration with third-party services such as Groupspaces, Authorize.net (defunkt), Paypal API, including implementation of SSL and custom subscription payments via API.

Wild Rhino Films - http://www.wildrhinofilms.com/ - December 2012 - Custom site developed and partially designed by myself, to display my brother's documentarian film work.

Vitacare World - www.vitacareworld.com - September 2012 - Implemented the shopping cart management backend (PHP) with third-party API checkout from www.drugstore.com.

Ouidad - www.ouidad.com - July 2012 - Created three interactive Facebook pages where users can select custom beauty preferences and be referred to the main website, join in on content give-aways, and subscribe to a newsletter. Integration with the Facebook API to require that users like the page before being able to participate.
http://www.facebook.com/ouidad, http://www.facebook.com/ouidad/app_103525339744122

Finding Home - http://devmu.com/work/whoshomeless - June 2012 - Lead designer and developer for a site showcasing photography, artwork, and stories related to the homeless. Features "single-page" navigation, carousels, image galleries, and more.

Nature's Boost Energy Lozenge - www.naturesboostenergy.com - December 2011 - Designed and developed by myself, to display a single product geared towards all-natural energy increase. Includes online ordering through PayPal and contact abilities.

PERSONAL DEMOS

Scheme Dream, Harmonic Color Scheme Generator: http://ryanweiss.net/schemedream
Spectrums, Harmonic Sound Spectrum Generator: http://ryanweiss.net/spectrums
Edge, Geometric Layout Tool: http://ryanweiss.net/edge
DNA Helix (scroll for effect): http://ryanweiss.net/shared/dna/index.html
Organic Mosaic (resize page for effect): https://codepen.io/rw3iss/pen/VpORWQ

REFERENCES *(phone numbers upon request)*

Kevin Grigorenko - kevgrig@gmail.com - Worked with Kevin as a developer for MyDorp, considered my mentor.
Justin Evergreen - justin@appareladcloud.com - CEO/boss for Adaya, oversaw me as Technical Director for 2 years.

// LANGUAGE/LIBRARY EXPERIENCE

Front-end web / Client-side:

JavaScript, GraphQL, jQuery, jQuery Mobile, React, Preact, Vue, Angular.js, Knockout.js, Backbone.js, Underscore.js, Mithril.js, ember.js, lodash, AMDs, require.js, CommonJS, JSON, AJAX, HTML5, XHTML, DHTML, CSS3, Sass, Compass, CoffeeScript, sprites, Canvas, SVG, Meteor.js, Bootstrap, Foundation, Skeleton, Mustache, Handlebars.js, Jade, Adobe AIR, Socket.io, d3.js, Marko templates, Raphael.js, moment.js, gulp, Phantom.js, Modernizr, normalize.css, MooTools, browserify, bower, Grunt build processes/concatenation+minification, AMPs (accelerated mobile pages), PWAs and service workers, JWT Auth, OAuth 2.0, flexbox model, CSS grid, Jasmine, Mocha+Chai unit testing, Superagent/Supertest HTTP testing, HTTP AppCache, offline applications, IsMobile, ScrollTrigger, Vimeo, Phantom.js

Back-end web / Server-side:

PHP: Laravel 4, Laravel plugins, Artisan CLI tools, CodeIgniter, Drupal, WordPress, WordPress plugins and theme development, DORM, Doctrine, ActiveRecord, integration of SimpleSAML single sign on, custom CMS design and implementation, PDO, composer, JWT Auth, OAuth 2.0, messaging queues, PHPUnit unit testing, TDD/test-driven development, dependency injection, Orno IoC/Dependency Injection, migrations
node.js: Express.js, koa.js, Meteor.js, npm, Loopback, lowdb, MongoDB, Electron, passport authentication, OAuth 2.0, websockets, Socket.io, Mocha+Chai unit testing, baucis REST module, JWT Auth, OAuth 2.0
ASP.NET/C#: MVC 2-4, CQRS architecture, SiteCore, Entity Framework, Spring.NET IoC/DI, ADO.NET, LINQ, Doctrine, dapper, Xamarin/Mono Cross-Platform apps + PCLs/portable class libraries, OrchardCMS, Jenkins, dependency injection, migrations, nuget package management, PowerShell scripts, Windows Azure, custom Visual Studio plugins, Nant build tool
Java: Kotlin
Databases: SQL, MySQL, T-SQL, PostgreSQL, PostGIS, SQLite, CouchDB, MongoDB, DynamoDB, memcached, redis, Doctrine, dapper, migrations, proper indexing optimization and normalization techniques, familiarity with sharding and replication practices
Desktop: Adobe AIR, Qt++, C++, Xamarin/Mono, Webview wrappers (Go or C++)
Misc: Rust, Golang, Python+Django, Ruby on Rails, CMS design and implementation, HTTP AppCache logistics/offline applications, Git, setting up personal git servers, Subversion, PhoneGap/Cordova, regex, SSL certificate security, build management with CHEF and Jenkins, SEO, e-commerce experience, web services (REST, GraphQL), AJAX, JSON, XML, UML, PostGIS, Vector map tile servers, TopoJSON, CartoDB, Vagrant, nginx, Apache, LAMP/MEAN, Amazon EC2, RabbitMQ and message queuing, Tomcat, Java, UNIX/Linux Server administration and optimization, Nagios, Ant, Nant, Unity Engine/UnityScript, Cocos2D, messaging queues for distributed programming, Agile practices, SCRUM, TDD/test-driven development, migrations, design patterns

Application Experience

VS Code, Sublime Text, Visual Studio 2012-2014, Visual Studio plugin development, Eclipse, Eclipse plugin development, Apache, nginx, IIS 6-8, Jenkins CI, Capistrano CI, Qt Creator, XCode, SVN, GIT, BeanStalk, JIRA, BaseCamp, Trac, Adobe Photoshop, Adobe Illustrator, Sketch, VMWare, Vagrant, VirtualBox, Ant, Nant, Blender, Xamarin/Mono, Canvas LMS

API Experience

AWS: EC2, ECS, Lambda, S3, DynamoDB, Aurora RDS, CloudFront, CodePipeline, CodeDeploy, CodeCommit, CloudFront, ELBs, CloudWatch, VPCs, Route 53, IAM, EBS, Beanstalk, Fargate
Google: AdWords, DoubleClick, Analytics, Maps, Weather, DialogFlow
Other: Stripe, Zoom, Okta, Mapbox, Weather, Facebook Graph, Twitter, Radian6, Paypal, Authorize.net, UserVoice, Gravatar, ShareThis, TypeKit, MailChimp+Mandrill, ClickTale, intercom.io, KickOffLabs, Route53, Sizmek, Shopify

Dev Tools

Docker, CircleCI, esbuild, Webpack, Ansible, GitLab, Composer, Grunt, npm, bower, Yeoman, gulp, nuget, bash scripts, UML, flowcharts, broccoli, Phantom.js, Chef, tmux, PowerShell, Rollbar logs, Gradle

Certifications

Google DoubleClick Ad certified

On the Web

Portfolio: www.ryanweiss.net
GitHub: www.github.com/rw3iss
Email: rw3iss@gmail.com