Brett Connolly

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Education

University of Central Florida, Orlando, FL
Completed: Digital Media - Web Design B.A. - 2013
Completed: Business Management B.S. - 2008

Courses

DIGITAL MEDIA, GRAPHIC DESIGN, COMPUTER SCIENCE

Internet Software Design	Internet Interaction
User Centered Design	Rapid Application Web Development
Media for E-Commerce	Media Business Practices
Info Mgmt and Entrepreneurship	Computer as a Medium

Technologies

Git	NPM	Javascript/Typescript	HTML5/CSS3	Node.js	MongoDB
Adobe CC		Twitter Bootstrap	React	NextJS	Electron
Ruby/Rails		Express	MySQL	PHP	SASS/SCSS

Experience

Envy Labs - *2/2022 - 6/2022*

- Worked as 1 of 2 back-end developers on creating Full Sail's DC3 certificate-based online courses launch, using Ruby on Rails, Postgres, and React (within NextJS) with styled components.

Salubrity - *Full Stack Javascript Application Developer* - 11/2019 - 7/2021

- Solo developed Salubrity, an app used for recording and tracking all procedures done by Vascular Access Solutions.
- App contains 2 portals: one for the employees (the main application) and an admin panel for tracking data and handling additional functionality like user account management, record modification, and aggregating reports for printing.
- Built using the MERN stack: Mongo, Express, React, and NodeJS.

Marriott Vacations Worldwide -*Frontend Web Developer* - 6/2014 - 6/2020

- Development and maintenance of the award-winning Marriott's Sales Center Technology™, which is software used internally for the sales of vacations and timeshares.
- Personally responsible for building 2 modules from scratch along with a major refactor of an existing module. I am also responsible for fixes and updates needing immediate attention.
- Primarily use Javascript for coding a wide array of functionality based on complicated business rules and internal feedback.
- Pitched and then spearheaded the initiative to move our application to ElectronJS giving us much greater control of our production environment, helping to greatly reduce bugs and development time.

Xulon Press - *Backend/Frontend Web Developer* - 8/2013 - 1/2014

- Worked with a small team of programmers to rebuild Xulon Press's employee dashboard and backend data infrastructure from scratch.
- The project primarily uses the Laravel 4 framework, employing extensive use of PHP, MYSQL, HTML5, CSS3, Twitter Bootstrap, JQuery, AJAX, MVC concepts and Object Oriented programming.

VGlobalTech - *Lead Web Developer* - 11/2012 - 7/2013

- Building numerous websites for clients ranging across many industries using Wordpress and Joomla content management systems.
- Generation of content from art and graphics to research and reporting.
- Debugging and rewriting PHP scripts along with creating custom HTML and CSS.

CHEP - *Mobile Application Developer* - 6/2012 - 11/2012

- Designed and developed an jQuery Mobile web application which dynamically generates content based on an external JSON file. Deployed in Phonegap.
- *Smart Track*™: Built an application using PHP and MYSQL queries to find and sort records and information.

Projects

Invoicify - *10/2021 - Present*
Svelte Application

A web application used for dynamically populating and compiling lien search forms to be exported as PDFs to be sent to clients and various local government agencies. Each form is it's own component and the final PDF report gets all of its dynamic values from a required Excel file that contains all unique data for each client. The General Property Search Summary form allows the admin to have complete control over adding and removing fields, on the fly, and can also modify some styling and page layout. The invoice form allows for adding or removing certain line items and will dynamically update the invoice total as these values are modified. This project was built using Svelte, a JavaScript framework. It is statically compiled and the files are hosted on GitHub Pages.

https://www.tcliensearch.com/invoicify/

Stardew Valley Helper - *7/2021 - 11/2021*
React Application

An application built using React for tracking various crops and craftable items for the game "Stardew Valley". The application will do all calculations for the user to help them figure out which items in the game will provide them the greatest amount of daily income but users may also opt-in to having to input their own values for those people that prefer self discovery over having the application automatically filling in every single piece of data for them. The application uses 2 JSON files to load all calculation and item data then relies on LocalStorage for persisting user data across sessions. Recently refactored this application using the NextJS React framework and Typescript.

https://stardew-valley-helper.vercel.app/

Salubrity - *11/2019 - 6/2021*
React Application (MERN stack)

A web application I built for Vascular Access Solutions to assist them in their daily operations which service hospitals such as doing insertion procedures, lab draws, dressing changes, and many other vascular related services. This live application allows VAS to add calls to a list and handle many things from urgency of service, to helping them input all items relating to a procedure to prevent them from needing to manually write out and submit all info at the end of every day to a spreadsheet. I also built an admin panel which is used to make complex queries for specific call data and aggregate said data. Also allows admins to add and modify user data, add new procedures, and soft delete users. This project was built using the MERN stack (Mongo, Express, React, and NodeJS). Recently refactored this application using the NextJS React framework and Typescript.

https://salubrity-ts.vercel.app/

MeJ - *~2017*
React Application
A web application used for requesting music at night clubs. The application requires each club to create their own login, then through an admin panel, the club or DJ can create playlists which are given a unique url which they provide to customers. Customers do not need to create a login, they only need the url to the current club's playlist in order to see the playlist, add songs (music search uses the Spotify API), or upvote songs (if a song they want to hear was already requested). Likewise, the DJ can add songs at will, and they can even create a 'specials' list which will alert customers of any drink or food specials that are going on that night.

https://mej-app.herokuapp.com/5c8c0658456df82e3cc405b3

Chronoalbums - *~2016*

Web Applications

Web application that leverages the Spotify API to scan a user's library then shows them all the albums released by all artists in their library over the last X amount of years. Useful for finding albums from artists you love that you may have missed (it's hard to keep up with new album releases). Primarily built with vanilla JS.

https://bc-experiments.herokuapp.com/chronoalbums/

Galaga Remake - *8/2020 - 10/2020*
Web Game

A remake of the classic game Galaga using the PhaserJS HTML5 gaming framework.

https://bc-experiments.herokuapp.com/galaga/

LoveThroughChrist - *~2016*
AngularJS & Meteor.js

A free web application used for Christian dating. Originally built using the MEAN stack (Mongo, Express, Angular and Node) then rebuilt using the Meteor Full-Stack Javascript framework. Features include Facebook login allowing prepopulation of some user data, use of the Facebook API to allow users to select videos and photos from their Facebook for use on their profiles, search based on geo-location using the Google Maps API, real-time updates, persistent saving of data and changes made to users profiles, along with testimonials to allow users to leave positive reviews for friends or previous dates.

www.lovethroughchrist.com (No longer active. Source code available)

Crazy Conveyor - *~2015*
Web Game

A physics-based web game built using the Matter.js Javascript engine.

http://brettdavidconnolly.com/crazy_conveyor/

Financial Forest - *1/2014 - 5/2014*
Google Play Android Phone Application

An android application fully deployed onto the Google Play store. Helps users save up an emergency fund over a specified period of time. Users will be reminded of how much they need to deposit, bi-weekly, and also be given inspirational daily push notifications to encourage savings.

Employs the use of AJAX, PHP, Javascript, CSS3 and HTML5 built on the Adobe Phonegap Build framework.

http://www.brettdavidconnolly.com/financial-forest

Scandit - *8/2013 - 12/2013*
Mobile Web Application

A shopping based mobile web application built and coded entirely from scratch. This application allows users to scan products, via their mobile camera, and save these products to an ongoing list attached to to their account. Scanned items are found via a product information API and saved in our own database. Users may update or fix any product information that may be incorrect or flawed, harnessing the power of web 2.0 qualities, like user generated content. The list is persistent and allows users to add and delete items, on the fly, while keeping a running total of all the items on their list, including after sales tax and coupon pricing.

This application uses HTML, CSS, Javascript, JQuery, AJAX, PHP and mySQL, as well as parsing JSON and XML data returned via several product-based API CURL calls.

http://www.brettdavidconnolly.com/apps/scandit/

Knight Scavenger - *1/2013 - 5/2013*
Mobile Web Application

A mobile-based photo scavenger hunt web application. This application was built with the intention of helping orient new UCF students to the UCF campus. The user is given a board with 16 locations around campus. The user must take pictures of these locations, from their smartphone, and submit them in real time. GPS and Google Maps are used to inform students of where they are currently, and where the locations are that they need to photograph. The user must submit a photo within a certain distance of the landmark, otherwise it is invalid, discouraging cheating. Once the user completes their board, it is submitted to an admin who verifies that all the photos are legitimate, upon which a completion certificate is sent to the user's email.

This application was built completely from scratch using HTML, CSS, Javascript, JQuery, PHP and mySQL.

http://www.brettdavidconnolly.com/apps/knight-scavenger/