



Mark Arenz

arenz.mark@gmail.com
(317) 442-0631
www.markmakesstuff.com
8370 Glen Highlands Dr.
Indianapolis, IN 46236

An accomplished software engineer with 20+ years experience designing and crafting digital experiences, leading teams, and working directly with stakeholders to deliver results.

Experience

Anywhere Real Estate (Remote): June 2023 - Present

Senior Software Engineer (Contractor)

- Taking on complex user stories related to multiple simultaneous projects for Brand.com multi-brand real estate platform for ERA and Better Homes & Gardens brands
- Working with POs and other engineers to refine stories, design solutions and confirm approaches for implementation of requirements
- Working with Tech Lead on content management and other technical topics related to the ExB dev team
- Serving as SME for unit test creation & maintenance for NextJS and React, as well as taking the lead on an ongoing effort to improve test coverage
- Identified the need for mock data in our QA process and designed a solution to inject partial mocks in our dev and QA environments and edit the mock data remotely

American Express (Remote): June 2022 - June 2023

Senior Software Engineer (Contractor)

- Delivered features and fixes on the Dashboard & Activity teams within a complex micro-frontend ecosystem featuring ReactJS and Redux
- Lead cross-team design system implementation and accessibility remediation for dozens of modules
- Mentored and paired with Agile team members and reviewed pull requests
- Championed critical uplift efforts related to NodeJS updates across 45 modules and in-house dependencies
- Coordinated and hosted a monthly Lunch & Learn event for engineers to share their knowledge

PLTW (Indianapolis, IN): September 2019 – June 2022

Software Engineer

- Built and maintained features for the myPLTW application on the frontend and backend (primarily frontend) using React and NodeJS with unit tests
- Utilized Heroku Connect to read and write Salesforce objects through our application, mapping objects and fields to maximize utility while minimizing cost. Also created a document manager for the app's Grants feature that interfaced directly with Salesforce.
- Utilized Redux to troubleshoot issues with complex multi-page Redux Forms for the app's grants feature that pushed and pulled data between the Salesforce instance and PostGres database
- Updated GraphQL schema and reducers for full-stack user stories
- Crafted a new feature that allowed teachers to fix rostering issues prior to the final upload of classroom data

Matchbook Creative (Indianapolis, IN): July 2017 – September 2019

Digital Development Director

- Managed team creating & maintaining marketing websites (PHP, Javascript) and web apps for clients on a variety of platforms and content management systems
- Transformed department processes, modernizing work methods to embrace new technologies and improve client experience
- Served on the agency's executive team at the director level
- Built a B2B invoice management application in the Laravel MVC framework for the Indianapolis Metropolitan Planning Organization, designing the UI and architecting the solution from the ground-up with stake-holder input

Cornerstone Advertising (Westfield, IN): October 2015 – July 2017

Digital Manager

- Managed the digital department responsible for web development, social media, reputation management, SEO/SEM, and email marketing for a group of approximately 20 home services clients across the US
- Worked with clients to define needs and design solutions for digital marketing and lead generation
- Grew department revenues 4x within 2 years through the creation of custom plugins, phone number replacement systems and other lead-generation tools for the agency and its clients
- Built more than 25 complex marketing websites for clients in just 2 quarters, working with clients through the design and production process as well as to solicit and address feedback
- Served on the executive team, running operations for the agency's digital side focused on lead generation

Bennett Innovations (Indianapolis, IN): May 1992 - October 2015

Video Editor, Web/App Developer

- Edited hundreds of corporate videos and broadcast spots for clients throughout the midwest, including several Telly award-winning productions
- Built several websites for clients as well as iOS apps (Objective-C)
- Developed 20+ years of direct client experience

Freelance (Indianapolis, IN): September 2009 - July 2017

iOS and Web Developer

- Built several web apps (PHP/LAMP) and iOS apps for clients including publishers such as Random House and Highlights for Children
- Collaborated with artists and illustrators on award-winning iOS pop-up books for Crab Hill Press, innovating new ways of animating characters in an interactive and humorous way
- Rebuilt the Highlights Hidden Pictures app in mid 2010's to modernize UI and build in a robust system for DLC
- Built several games in iOS and Javascript

Skills

Frontend Development

- Javascript: ReactJS, NodeJS, Gatsby, NextJS
- Typescript
- NextJS
- State Management: Redux

Backend Development

- NodeJS / Express
- PHP / Laravel
- GraphQL

- Styling: SCSS/SASS, Styled Components
- Material UI
- Testing: Jest, React Test Library

DevOps

- CI/CD: Jenkins, GitLab

- Cloud: AWS Lambda, AWS S3, Serverless IaC
- Database: PostgreSQL, MySQL, DynamoDB, MongoDB

Project & Team Management

- Collaboration: Jira
- CRM: Salesforce, Hubspot

Awards

- BSA District Award of Merit, Fall Creek District CAC (2021)
- Editor's Choice award from The Children's Technology Review for both Nash Smasher (2011) and Highlights Hidden Pictures (2013)
- Eagle Scout (October 1984)

Education

- DePauw University (08/1988 - 05/1992) Graduated Magna Cum Laude
 - Bachelor of Arts degree, major in Communications
- Wood Badge BSA Leadership Training - 2019