



mark arenz

Contact

Software Engineer

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Summary

Mission-driven software engineer with decades of experience building branded digital experiences and managing teams of developers and creatives.

Experience

American Express (Contractor) - June 2022 - Present

Senior Software Engineer

Delivering features and fixes on the dashboard & activity teams within a complex micro-frontend ecosystem.

Leading cross-team efforts for horizontal improvement initiatives for dozens of modules.

Assisting QA by updating regression test scripts & mock data.

Pairing & mentoring sessions with other engineers.

Project Lead The Way - September 2019 – June 2022

Software Engineer

Building and maintaining features for the myPLTW application on the frontend and backend (primarily frontend) using nodeJS and React with unit tests in Jest.

Using PostgreSQL and Sequelize (ORM) for queries in the backend, integrating new fields and mappings into GraphQL. Also using Redux for state management.

Creating POC prototypes for new features, including a new rostering method using data grids to allow users to fix CSV issues prior to upload.

Matchbook Creative: 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 executive team at the director level.

Built a B2B invoice management application in Laravel (PHP) for the Indianapolis Metropolitan Planning Organization.

Cornerstone Advertising: October 2015 – July 2017

Web developer (2015) Digital Manager (2016)

Managed 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.

Grew department revenues 4x within 2 years.

Worked with clients to approve designs and mockups prior to web build as well as for pre/post-launch check-ins.

Served on executive team, running operations for the agency's digital side focused on lead generation.

Freelance: September 2009 - July 2017

Built several web apps (PHP/LAMP) and iOS apps for clients including publishers such as Random House and Highlights for Children.

Built award-winning iOS pop-up books for the youth market for Crab Hill Press, and injected animations and interactivity with humor.

Built several games in iOS, Flash and Javascript.

Rebuilt the Highlights Hidden Pictures app in mid 2010's to modernize UI and build in a robust system for DLC.

Bennett Innovations: May 1992 - October 2015

Video Editor (1992) Editor/Developer (2009)

Edited, color-corrected, and created graphics and effects for hundreds of projects: from broadcast spots to corporate image pieces

Built websites (PHP) and iOS apps (ObjectiveC)

Unpaid Side Projects: July 2000 - Present

Built Star Squadron: Student Driver, a game made with Godot and released on Steam for OSX and Windows. This is a space-shooter where your only weapon shoots ping-pong balls.

Built a social media web app where you can only post colors. Posts, instant messages, search - all just colors.

Built Re:hash, a social media web app based on magnetic poetry. The user picks 2 or 3 word phrases from snippets of classic literature and rearranges them into a message. The resulting post is heavily annotated.

Skills **Frontend:** React, NextJS, Gatsby
Backend: NodeJS/Express, PHP
Styling: SASS/SCSS, Tailwind, Styled Components
Database: PostGres, MySQL, Mongo
Auth: Okta, Autho
CRM: Salesforce
Project Management: Jira/SCRUM
SIS: Clever
Media: Final Cut Pro X, Adobe Creative Suite

Awards Editor's Choice award from The Children's Technology Review
For both Nash Smasher (2011) and Highlights Hidden Pictures (2013)
Edited many Telly-winning and Addy®-winning projects
Eagle Scout (October 1984)
District Award of Merit 2021 (BSA)

Education DePauw University 1988-1992
Bachelor of Arts degree, major in communications
Wood Badge BSA Leadership Training - 2019