Jesen Tanadi

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Experience

Designer & Developer
Ralph Appelbaum Associates
November 2015 – Present

- Collaborate with architects and content strategists to design large-scale exhibition graphics and implement consistent design systems for a wide range of visitor experiences, for clients such as Smithsonian's National Air and Space Museum, Holocaust Museum Houston, National Veterans Memorial and Museum, and Frost Museum of Science.
- As the firm's sole developer, I write and oversee an open source library of design tools and production automation scripts to improve designer experience and productivity.
- Recent projects include Scotty, a multi-client PDF viewer for internal team meetings written in Node, React, and socket.io; and the RAA Tools Directory, a microsite that allows designers to fetch design scripts from the firm's GitHub repository.
- Introduced automation to the firm's design and design production workflow, allowing for expedited project completion with smaller teams.
- Consult with design teams and fabricators to establish efficient systems and processes.

Participant, Mini Batch
Recurse Center
March – April 2020

- Completed frontend features in React and socket.io for Scotty, a multi-client PDF viewer.
- Researched into best practices when serving PDFs over the browser.
- Participated in Networking Club, Haskell Study Group, and pair programming workshop.

Graphic Designer
Tsang Seymour
September – November 2015

- Completed digital and print designs for the International Fine Print Dealers Association, the Rubin Museum of Art, and MoMA.

Freelance Graphic Designer
2011 – 2015

- Designed print- and web-based materials for clients including Cranbrook Academy of Art and Art Museum, the Rhode Island School of Design, AS220 Printshop, and The Draftery.

Education

Cranbrook Academy of Art
MFA, 2D Design

Rhode Island School of Design
B. Architecture; BFA, Architecture

Full Stack Academy
Certificate, Web Development

Open Source Projects

Scotty
raa-scotty.herokuapp.com
github.com/raa-tools/scotty

Scotty is a WebSocket-enabled PDF viewer that allows multiple clients to synchronously view and interact with the same document. The app is written in TypeScript, uses React on the front end, socket.io as its WebSocket library, Node and Express on the back end, and AWS S3 for temporary storage.

RAA Tools Directory
raa-tools.github.io
github.com/raa-tools/raa-tools.github.io

RTD is a microsite developed with the goal of making internal tooling more accessible to designers at RAA. While all of our tools and scripts are hosted on GitHub, for most designers, Git and GitHub present a high barrier to entry. RTD solves the problem by allowing designers to search and download the tools they need without directly interfacing with GitHub.

peekachu
github.com/raa-tools/peekachu

Peekachu is a REST microservice that fetches visible directory and file names from public GitHub repos, with an additional feature as a GitHub webhook to cache repo structure on push. The service was originally developed to generate an up-to-date list of RAA's design scripts and was written in Node.

conveyor
github.com/raa-tools/conveyor

Conveyor is a microservice written in Node and Restana that converts PDFs to images and uploads them to an AWS S3 bucket. The service implements a simple task queue for long-running processes and a pingback mechanism to send messages to its clients.

doodler
doodler-js.herokuapp.com
github.com/jtanadi/doodler

Doodler is a multi-canvas drawing app written with the intention of learning how a graphics application's basic interactions might be implemented internally. The app is written in TypeScript and React.

CheckParallelTool
github.com/jtanadi/CheckParallelTool

CPT is a RoboFont plugin written in Python that helps type designers draw smoother and more balanced bézier curves.

Etch-a-Sketch
github.com/jtanadi/Etch-a-Sketch

Etch-a-Sketch is a RoboFont plugin written in Python that allows type designers to easily typeset their work-in-progress designs. The plugin is tailored to the specifics of a type designer's process: instead of specifying point sizes like other typesetting tools, Etch-a-Sketch sizes letters relative to a specified x-height.