Jesen Tanadi

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github.com/jtanadi

Experience

Designer & Developer
Ralph Appelbaum Associates
November 2015–Present

- As the firm's sole developer, I write and oversee an open source library of microservices, web tools, and production automation scripts to improve designer experience and productivity.
- Recent projects include Scotty (described in the Projects section), a multi-client PDF viewer for internal team meetings written in Node, React, and socket.io; and zipline, a microservice written in Node that allows designers to fetch design scripts from the firm's GitHub repository.
- Introduced automation to the firm's graphic design and production workflow, allowing for expedited project completion with smaller teams.
- Consult with design teams and fabricators to establish efficient systems and processes.
- Collaborate with architects and content strategists to design large-scale exhibition graphics and implement consistent design systems for a wide range of visitor experiences.

Recurser, 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

Selected 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.

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, uses GhostScript and optipng to process PDFs, and a pingback mechanism to send messages to its clients.

zipline
github.com/raa-tools/zipline

Zipline is a microservice used by RAA's designers to easily download files from the firm's design scripts repositories. Zipline is written in Node and uses the micro framework, streaming requested files directly to a zip archive.

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.

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 and uses the Gambar library instead of interacting directly with the Canvas API.

Gambar
github.com/jtanadi/gambar

Gambar is a lightweight drawing library written in Typescript that provides a thin, consistent, layer on top of the Canvas API. The library doesn't aim to be comprehensive, but rather, to provide convenience when implementing a drawing app with limited scope.

CheckParallelTool
github.com/jtanadi/CheckParallelTool

CPT is a RoboFont plugin written in Python that helps type designers draw smoother and more balanced bézier curves. The tool visualizes the lines connection Bezier control points and on-curve points and ensures that they remain parallel.