

6/1/24

## Notes

- What is Tharcisse interested in for the summer
  - Want to learn front-end
  - Particularly interested in new/modern technologies, React
- What do they want to work on?
  - Backend, more modern
  - Storage gets full, want to clean up the cloud
  - Scripts, automated
- Updates to page itself?
  - Update it
  - Login page not working, fixing issues.
  - May need to update login, like incorporate okta
- <https://stateofjs.com/en-US>
- Next steps: Tharcisse to try and rebuild dev environment from ground up.

## Breakdown of rebuilding this dev environment:

### 1. Get the backend working

- ☒ ~~Create a new node server, make sure that works~~
- ☒ ~~Create a mongodb instance, latest version~~
- ☒ ~~Get new node server to talk to mongodb instance, with mongoose~~
- ☒ ~~Take a copy of the production database and load into mongodb~~
- ☐ Convert the old server code from CS to JS : [in progress](#)
- ☐ Take one route from the existing app, get it running in new environment, ideally one that simply reads from the database.
  - ☐ Consider converting the middleware approach to creating a route, to a modern, async/await/Promise system.
- ☐ Gradually add more, and test those routes.

### 2. Get the frontend working

- ☐ Create a blank vite-based frontend build system, including TS.
- ☐ Try hooking frontend to backend.
- ☐ Convert old application code from CS to JS
- ☐ Port one page with Backbone to the new environment, recommend the home page.
- ☐ Make it look nice. Get bootstrap css in there.
- ☐ Start porting over the other pages.

- ☐ Create a new page using React, React-Router/Tanstack-Router, React-Query, Jotai.
    - ☐ You might play with Remix. That comes with Vite.
    - ☐ Play around with using Remix, which combines React-Router and Vite and has some other stuff.
    - ☐ Alternatively, use Tanstack router instead.
  - ☐ Build a new page on the new stack, make sure navigating between new-stack and old-stack pages works.
3. Get the container system working
- ☐ Create a new docker file that orchestrates the above.
  - ☐ Once things are working well enough between frontend and backend, try integrating this local dev environment with a development bucket on Google Cloud.
  - ☐ Try getting a local version of Google's data cloud working locally on your machine (so development is entirely contained on your machine)
4. Update to new stack
- ☐ Run some tests together of the new stack.
  - ☐ Spin up a brand new google cloud server instance. Get docker and such all installed there.
  - ☐ Run new page on that, with a copy of the database, test it out.
  - ☐ Fix issues.
  - ☐ Switch conaudioarchive.com to the new instance.
  - ☐ Delete the old instance/stack, generally clean up.