Meri Leeworthy

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SKILLS — Typescript, React, CSS, Node.js, Next.js, Linux, Docker, a11y

PROJECTS

Organ Web App — *May 2022 - present*
- Social media-style app, designed for community groups to share announcements and events about their activities. Enables users to easily create simple email mailing lists
- Approx. 8500 LOC total, Matrix client built using Next.js and a Typescript SDK library which I wrote and published called 'simple-matrix-sdk'
- Aiming to implement E2E encryption

Matrix Server (Radical Directory) — *December 2022 - present*
Radical Directory is a volunteer-run organisation for building tech skills among grassroots activists
- Deployed Matrix Synapse federated encrypted chat server for 100+ activists using Ansible
- Configured Keycloak as OpenID Connect (OIDC) ID provider using Docker compose with custom Nginx reverse proxy config. Also customised Keycloak theme

Document Editor (Radical Directory) — *December 2021 - February 2022*
- Built a rich-text browser document editor in Typescript for Radical Directory with a focus on accessibility and intuitive UX. Used TipTap/ProseMirror rich text editor framework
- Created real-time P2P collaboration PoC over WebRTC and WebSockets (CRDT)
- Built an authentication flow and dashboard for saved documents. Auto-save using GraphQL

Markdown Blog (Radical Directory) — *September 2021*
- Designed & built site in React/Typescript which attracted new users to the community
- Responsive design and dark mode using Tailwind CSS. Static-generated from Markdown

Activism Directory PoC (Radical Directory) — *October - December 2020*
- Installed forum software Discourse on a DigitalOcean droplet, customised the frontend (Ember.js) and created a new plugin for browsing content on the forum used as a directory
- Created a React app that consumed the data on the forum using the Discourse REST API

FREELANCE
Sound Osteopathy, Wordpress Blog and E-commerce Redesign — *Dec 2022 - Jan 2023*
- Completed clinic site, blog and e-commerce redesign using Elementor and Woocommerce

Archie Barry, Rafella McDonald: Artist Portfolios — *May 2022*
- Wrote custom code to substantially edit an existing theme on Cargo site builder platform

Antidote Biomedical, Embedded System — *April - June 2020*
- Designed circuit and wrote Arduino code for an IoT nurse-call button for hospitals and clinics.
- Created a breadboard prototype with Feather MCU, MQTT communication to a local server over WiFi and Ethernet working towards a PoE solution

PROFESSIONAL DEVELOPMENT
Recurse Center, Participant — *November 2021 - February 2022*
- Worked towards transitioning into SWE by attending a self-directed educational retreat
- Participated in pair programming and contributed to open-source software

Progressive Tech Network, Professional Development Program — *October - December 2020*
- Received mentorship from Sofia Calderon (Thoughtworks) while learning React

EDUCATION
Monash University, Graduate Certificate in Computer Science (in progress, part time), 2023-
University of Melbourne, Bachelor of Arts, 2017