

# Meri Leeworthy

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## PROJECTS

### **Markdown Blog (Radical Directory)** — September 2021

*Radical Directory is a volunteer-run organization aiming to promote tech skills, open source and decentralized software among grassroots activists*

- Designed & built landing page in React/Typescript which attracted new users to the community
- Responsive design and dark mode using Tailwind CSS
- Deployed an open source headless CMS (KeystoneJS) on DigitalOcean App Platform. Migrated to static-generated markdown blog to save costs

### **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

### **SQL Dump Recycler** — November 2021

- An interactive CLI tool written in JavaScript for extracting data from (particularly large) SQL dumpfiles. Users can select columns from a given table and export CSV, TSV or arbitrarily separated data to separate files per row. Used async Node.js streaming APIs

### **Activism Directory PoC (Radical Directory)** — October - December 2020

- Installed forum software Discourse on a DigitalOcean droplet and customised the frontend (Ember.js) to create 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

### **Twisted Moto, E-commerce Redesign** — April - June 2022

- Created full UX/UI redesign for all pages of a motorbike apparel Shopify store.

### **Archie Barry, Artist Portfolio** — May 2022

- Wrote custom CSS 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

### **University of Melbourne Student Union, Festival Program Site** — June - August 2015

- Created site for a student arts festival using Wordpress.com with CSS theme customisations
- Worked with an accessibility consultant to pass web accessibility audit

## PROFESSIONAL DEVELOPMENT

### **Recurse Center, Participant** — November 2021 - February 2022

- Worked towards transitioning into professional programming by attending a self-directed educational retreat
- Gave a public presentation on design token systems
- 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

**University of Melbourne**, BA in Screen and Cultural Studies, 2017