Populus Solidarity Cooperative – Software Developer

Project Description
[Populus Solidarity Cooperative](#) is an organization that aims to help co-operatives and non-profits in the social solidarity economy meet their financial and governmental compliance needs by aiding with bookkeeping, financial management, and more. To accomplish this, Populus has endeavoured to create a digital dashboard that takes organization's unique profile and create reminders for key dates, resources for how to navigate bureaucratic processes, provide funding sources, and more.

Populus is looking for an aspiring software developer interested in supporting the social solidarity economy to help develop this digital dashboard! There's plenty of opportunity to learn and apply software development skills in this project.

Project Deliverables
- Develop ReactJS components for the dashboard
- Analyze and improve UI/UX workflows
- Information security risk analysis
- Creating documentation for end-users

Learning Outcomes
- Develop in a full stack environment
- Hands-on experience with ReactJS, React Aria, Payload CMS, GitLab, and Docker
- Better understanding of compliance needs for cooperatives and non-profits in Quebec

Recommended Skillset
- Experience with ReactJS
- Keen interest in UX design
- Strong communication skills in English

Support
You will be working directly with the project manager for the Digital Dashboard, which has been underway since January 2024. Your involvement in the project is subject to change depending on the skills you are interested in developing!

Project Timeline

Phase 1 – Familiarization with the Dashboard Project (1-2 weeks)
At the beginning of the project, you will become familiar with the underlying content model, the development stack, and overall goals of the dashboard.

Phase 2 – End-user testing environment (2 weeks)
Test out the existing dashboard with different organization profiles, from onboarding to day-to-day use cases.

Phase 2 – React component development (4 weeks)
Create and update ReactJS components to further develop the dashboard. This will be using React Aria in the Payload CMS.

Phase 3 – Information security analysis (2-3 weeks)
Explore potential security risks that may expose the dashboard to brute-force attacks or human-error related authentication failure.

Phase 4 – End-user testing and documentation (3 weeks)
Supplement the existing end-user documentation with components/features you have developed, as well as help with overall readability and ease of familiarization.