

Adrian M. Zabolitzki

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Summary:

Dedicated front-end software engineer with a strong background in product management and a passion for problem-solving through technology. Experienced in delivering dynamic, data-driven projects and committed to continuous learning and personal development. After transitioning into software development, I recently completed a contract project that further deepened my expertise. I am excited to build impactful, user-friendly applications and contribute to innovative teams. Originally from Switzerland, I bring a unique international perspective and collaborative spirit to every team environment.

Skills:

Front End: React | JavaScript | TypeScript | HTML5 | CSS3 | React Router | Accessibility Practices
UI Frameworks and State Management: Material UI (MUI) | MUI DataGrid | React Hooks
API Integration: RESTful APIs, Fetch API
Testing: Cypress | Mocha/Chai
Workflow: TDD | GitHub | GitHub Projects | Trello | Canva | Notion

Technical Projects:

Workstation Management System: Real-Time Workstation Data Management Tool

Tech Stack: React, Material-UI (MUI), REST API, JavaScript, Node.js, Authentication Middleware

- Designed and developed a comprehensive workstation management interface that enables IT administrators to manage and edit detailed configurations for multiple workstations
- Implemented dynamic forms using Material-UI for editing nested objects (e.g., IP configurations, CPUs, GPUs, software versions) with real-time feedback
- Implemented row-based editing with MUI DataGrid, enabling dynamic editing, saving, and canceling actions
- Built WorkstationDetailsEditForm to handle both default state and updates, enabling administrators to modify workstation memory, VLANs, interfaces, and PDUs
- Implemented API call integration using useFetchWithAuth hook for secure access and updates, ensuring authentication for all interactions with the backend
- Developed snackbar notifications for real-time error handling and alerts across the application
- Created reusable components like ListMuiTable and WorkstationDetails to provide modularity and reusability across the project
- Managed user interactions with custom toolbars, action buttons (Add, Save, Delete), and pagination using MUI

[Market Next Door](#) | [GitHub Repo](#) | **Dynamic Virtual Market** | **Capstone Project FE and BE**

Tech Stack: React, React Router, TypeScript, React Router, HTML, CSS, Cypress, GitHub, GitHub Projects

- **Winner of Turing School of Software and Design 2401 Demo Comp Competition**
- Market Next Door is a dynamic application connecting local farmers market vendors with their customers
- Played an integral role on the team that created this interactive market application, in creating the front end of this application from initial design through implementation of code for the user focused experience
- Elevated the user experience by incorporating intuitive features including customer and vendor sign-up / sign-in, customer ordering, and vendor inventory management and order summaries for a seamless experience
- Ensured type safety and maintainability through TypeScript in all components
- Employed GitHub and GitHub Projects throughout the project life cycle to manage multiple repositories in the organization, establishing a structured and collaborative process that resulted in a successful team project

[ParkPlanner](#) | [GitHub Repo](#) | **Interactive National Parks Planner | Solo Showcase Project**

Tech Stack: React, React Router, JavaScript, HTML, CSS, Cypress, GitHub Projects, PropTypes

- Leveraged network requests to display National Parks data, allowing users to search, filter by state, and view park details
- Showcased React, Router, and Cypress testing in a fully functional interactive app, built in under a week
- Implemented Leaflet.js to create web maps for an engaging user experience

Professional Experience:

Swiss Tech Solutions | Denver, CO | Frontend Software Engineer

2024

- Built a workstation management dashboard with dynamic row-based editing and detailed forms using React and MUI DataGrid for asset tracking and updates
- Implemented WorkstationDetailsEditForm, integrating nested state management with deep merging logic, to accurately manage changes across hierarchical workstation data
- Developed a custom hook for API integration (useFetchWithAuth) to ensure secure and authenticated REST calls, allowing seamless data fetching and updates
- Built reusable UI components including ListMuiTable and ListItemDetailsMuiTable to display workstations and details dynamically with exclusion logic for sensitive fields
- Ensured robust error handling through snackbar notifications, offering real-time user feedback for both errors and successes
- Integrated authentication workflows for workstation updates using secure API calls, adhering to best practices for frontend/backend communication
- Optimized the data grid's UI with toolbar controls, pagination, conditional rendering, and responsive design, providing a smooth user experience for administrators
- Collaborated with backend engineers to ensure smooth API integration and data consistency throughout the workstation lifecycle

Career Transition to Software Development | Denver, CO

2023

- Embraced a career change into software engineering, completing an intensive 7-month frontend engineering program at the Turing School of Software and Design (2023), ACCET accredited
- Gained hands-on experience through personal coding projects, including work with The Odin Project and Arduinos
- Developed a portfolio of practical, real-world projects demonstrating skills in React, TypeScript, and JavaScript, streamlined development through agile methodology and version control, team collaboration, and test-driven development

Classic Beverage Company | Denver, CO | Brand Manager

2019 - 2022

- Directed and coordinated supplier activities to maximize sales and profits of both domestic and imported wines
- Served as the main point of contact and advocate for wine suppliers from across the globe within the company
- Managed and supported over 40 suppliers with 1000+ wines, through sales and product training, goal setting, inventory, and pricing strategies to maintain growth in an extremely difficult market due to COVID shut downs

Superior Liquor Market | Superior, CO | Wine Buyer, Wine Manager

2016 - 2019

- Managed Wine Department, emphasizing weekly wine purchasing and curating selections
- Served as interim Head of Wine Department during department head's absence
- Grew sales with direct vendors consistently over the past 3 years, maintained positive vendor relationships, and facilitated excellent customer relations

Education and Certifications:

Certification in Front End Software Engineering | Turing School of Software and Design - ACCET Accredited

Certification | Google IT Support Fundamentals

Bachelor of Science in Biology and Minor in Chemistry | University of North Carolina at Chapel Hill