

Andrew Zimmerman

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SUMMARY

Front-end web developer with a B.S. in Computer Science and experience developing React-based user interfaces for large web platforms. Skilled in modern JavaScript, TypeScript, component-based UI development, and front-end debugging. Professional background includes localization, shared UI components, and data tooling with SQL and C#. Recently returned full-time to software development after supporting a family-owned business.

EDUCATION

Brigham Young University – Provo, UT

Bachelor of Science in Computer Science

EXPERIENCE

React Web Developer

FamilySearch | Lehi, Utah | Feb. 2024 – Mar. 2025

- Implemented localized UI components and widgets for the Chinese home portal experience in collaboration with UX design, supporting internationalization and user-specific content. Leveraged i18n frameworks and localization resources.
- Maintained and updated shared header and footer React components used across multiple site experiences.
- Diagnosed and resolved front-end defects by investigating reported issues and implementing code fixes.
- Performed QA review of the Arabic site experience and created Jira tickets to document UI and localization issues.

Production Quilter & Retail Operations (Family Business)

Davidene's Quilt Shop | Park City, Utah | 2013 – Dec 2018

- Operated long-arm quilting machinery to form complex, custom quilting patterns with precision and quality standards.
- Interpreted and executed design specifications for sample projects, adapting techniques to meet requirements.
- Supported day-to-day retail operations, including customer service, and inventory preparation.

Data Quality Analyst & Content Engineer

Ancestry.com | Provo, Utah | Oct. 2008 – Mar. 2013

- Improved team throughput by taking on additional workload, contributing to moving the team from below quota to exceeding performance targets.
- Validated genealogical data using SQL queries and supported publishing processed data to the website.
- Built and configured search UI elements using internal tools to support content discovery and improve user experience.
- Developed C# scripts to generate SQL-based data quality checks, validating data integrity across large-scale genealogical datasets.

Programmer

BYU Physics Department | Provo, UT | Sep. 2007 – Aug. 2008

- Developed software for 3D data visualization and numerical analysis of X-ray diffraction data to support molecular structure research.
- Built scripts to model crystal structures and visualize experimental results for use in laboratory analysis.
- Supported faculty research by maintaining and updating research code and assisting with data processing and analysis workflows.

PROFESSIONAL DEVELOPMENT & TECHNICAL TRAINING

Udemy | 2022 – 2023

- TypeScript: Advanced typing, interfaces, generics, and React + TypeScript integration
- React & Front-End Development: React Hooks, React Router, Redux, modern component patterns
- Modern Web Development: Full-stack fundamentals, REST APIs, authentication, and deployment workflows
- CSS & Layout: Advanced CSS, Flexbox, Grid, responsive design, and animations
- Remix.js: Server-side rendering, routing, data loading, and modern React framework patterns

PERSONAL PROJECTS

Portfolio: andrew-zimmerman.herokuapp.com

Personal Website / Blog Platform [Remix.js, MongoDB, Markdown]

- Built with Remix.js, featuring a markdown-based blog with pagination, category filtering, and dynamic routing.
- Implemented server-side rendering and content management backed by MongoDB.

Childhood Tribute Site [Responsive design, Markdown]

- Developed a responsive, image-heavy site with randomized layout logic and dynamic content rendering.
- Implemented markdown-based story rendering with custom extensions to support interactive tooltips.

Rule One Draft (Game Drafting Tool) [Remix.js, MongoDB, Local Storage]

- Designed and built a multi-user drafting application to support game setup workflows.
- Implemented form-driven draft initialization, shareable URLs, and client-side state tracking using local storage.
- Built backend state management using MongoDB to coordinate draft progress across users.

Making Potato Salad (Crowdfunding Mock App) [Next.js]

- Created using Next.js to demonstrate dynamic rendering and API-driven UI updates.
- Implemented simulated backend data flows to support front-end development and UI state management.

TECHNICAL SKILLS

- Languages: JavaScript (ES6+), TypeScript, HTML, CSS, Python, C#
- Frameworks & Libraries: React, Remix.js, Next.js
- Styling: CSS3, Flexbox, Grid, responsive design
- Tools & Platforms: Git, GitHub, Jira
- Data & APIs: REST APIs, MongoDB, SQL
- Other: Localization (i18n), component-based architecture, debugging & QA