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Ed Babcock

Summary

- **Four years'** experience building websites and web applications.
- Experience writing **Progressive Web Apps** in JavaScript.
- Expert in **Clojure and ClojureScript** with several open source software libraries.
- Prior work experience collaborating in **small teams of two to six** to plan and develop software.

Work Experience

HomeSpotter LLC., *Minneapolis, MN (May 2015 - January 2016)*
Software Developer
- Developed a chat application and analytics framework in Clojure using ElasticSearch, Plumatic Schema, and RESTful APIs.
- Designed and implemented an admin dashboard with ClojureScript to track business analytics and assist with support issues.
- Helped with various website and server updates using PHP and JavaScript
- Created software to automate 5% of the workload for the support team.

D.P. Financial Services Inc., *Elk River, MN (October 2013)*
Software Consultant
- Migrated the company's Act! and proprietary databases using Clojure, Cascalog, and Incanter.
- Cleaned hundreds of database errors.
- Wrote automation software in Clojure and AppleScript to prepare thousands of tax documents for their customers.

Open Source

Restaurant Reviewer
- Progressive web app built with Polymer and various Google APIs.
- Used accessibility best practices like WAI-ARIA, color contrasting, landmarks, and focused inputs.
- Built with IndexedDB for saving user reviews and app caching through service workers.

Transit App
- Single page, progressive web app for navigating trains in the Twin Cities area.
- Optimized for offline-first use through service workers and IndexedDB.
- Worked with Metro Transit's API to fetch and cache route data.

Deepfns
- Library implementing category theory operations in Clojure.
- Developed a new type of operation to transform data structures.
- Improved upon existing category theory functions by making them more generic.

Education

Udacity – *Senior Web Developer Nanodegree*, 2016
St. Olaf College – *Chemistry, B.A.*, 2011

Technical Skills

- *Languages:* Clojure, ClojureScript, JavaScript
- *Frameworks/Libraries:* Polymer, Om, Reagent, Closure Tools, core.async, test.check, Ring, Compojure, Schema, Cascalog, Elastich, Manifold, CodeIgniter
- *Databases:* MySQL, Datalog, IndexedDB
- *Other:* Git, Progressive Web Apps, Responsive Design, ElasticSearch