Ryan Martin

Full Stack Developer

E-mail

ryanmarti@gmail.com

Social

GitHub

github.com/chromalchemy

LinkedIn

linkedin.com/in/ryan-martin-1bb63511

Phone

917-743-9113

More Skills

REPL Driven Development

Data Modeling, Specification, Transformation, Validation, & Testing

Data Visualization, Real-TimeDashboards

Shell Scripting, Git, Regex

Datalog, GraphQL, REST / JSON API

Reactive Web UI

Graphics Production, Adobe Creative Suite

Skills Summary

Clojure Programming

- Wrote 30,000 lines of Clojure to upgrade and manage a BigCommerce e-commerce website with 18K products and 60K visitors/mo, using its REST API and local data ETL extensively.
- Managed complex ERP inventory management system: cleaning, normalizing, and joining data from 18 vendors into custom master database of 50K product records. Verified data integrity, generated custom reports, and executed complex CRUD operations across multiple application API's.
- Scripted browser to automate data updates in a web app that lacked a REST API. Scraped catalog data from websites when vendors could not provide it directly.

Full Stack Web Development

- Developed custom "Real Time" Inventory integration with front end, reducing customer service calls 70%.
- Upgraded legacy ecommerce theme UI code, and implemented custom Javascript to surface required product data and session state.
- Built responsive HTML/CSS designs using various templating frameworks. Created custom templating library that compiles Clojure data to Handlebars HTML.
- Migrated production servers for 50% cost reduction
- Coded 200 email HTML templates for newsletter campaigns that generated $100k/year revenue.
- Scripted Photoshop and ImageMagick to produce image sets for complex multi-target media campaigns and promotional product layouts.

Experience

Lead Developer, Get Bit Outdoors, Oviedo, FL 2019-Present

Used Clojure to implement solutions at all levels of the software stack for Ecommerce company integrating 8 cloud apps.

Web Designer / Developer, TinyBoxer, TopRank Web, Orlando, FL 2010-2019

Developed over 30 website front ends. Used leading web CMS platforms, designed data schemas, configured web servers, batch-processed media assets, and optimized view code for performance and SEO. Consulted clients on information design, interactively creating working prototypes.

Graphic Designer, VGS Graphic Systems, NYC 2006-2007

Optimized image files for a large format Durst printer and Zune plotter. Scripted a process to generate variations on a design.

IT Support Specialist, BJM & Associates, Orlando, FL 2001-2005

Purchased, installed, and maintained PC applications, hardware, and network solutions for 20 person Civil Engineering firm.

Education

New College, Sarasota, FL, 1997-2000

Technologies I'm Exploring

Electric	Full-Stack Differential Dataflow for UI
Malli	Data-driven Schemas for Clojure/Script
Babashka	Fast native Clojure scripting runtime
Scryer Prolog	Modern Prolog in Clojure
Meander	Tools for transparent data transformation
XTDB	Immutable Bitemporal Database for SQL, Datalog & graph queries
FlowStorm	Omniscient Time Travel Debugger for Clojure
Clerk	Moldable Live Programming for Clojure
Data Rabbit	Flow-based Clojure canvas for data exploration.