

Matt SEVERINI

Senior Fullstack Software Engineer

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PROFESSIONAL EXPERIENCE

- May 24 - Present

Software engineer Level 4, KIT, remote
 - Lead a team to migrate our reporting workload from Elastic Search to Kafka.
 - Architected an event based ingestion pipeline using kafka.
 - Implemented several core api features which allowed High leverage custom apps to be built.

Ruby Rails ClickHouse Kafka Sidekiq Enterprise MySQL ElasticSearch CircleCI
- Mar 22 - May 24

Senior Ruby Engineer, NZERO, remote
 - Lead a team to leverage a custom AI model to predict energy intervention efficacy.
 - Re-architected a large section of the etl pipeline to improve performance and improve data integrity.
 - Lead a team to build an internal tool to help the customer support team be more effective.
 - Architected a database subsetting system that allowed team members to develop locally with realistic data.

Ruby Rails Sidekiq Pro Postgres CircleCI
- Mar 21 - Jan 22

Senior Ruby Engineer, JANE, Vancouver British Columbia
 - Re-architected the export system to be multi-threaded and fault tolerant.
 - Implemented a more robust versioning system to ensure the client code was compatible with the server.
 - Architected a new patient experience mobile app to be iterative and scalable.
 - Worked with the insurance team to ship several large features.
 - Found a bug in one of our slowest endpoints that was causing a 100x slowdown.

Ruby Rails Sidekiq Pro Postgres CircleCI
- Oct 19- Feb 21
Aug 17 - Oct 18

Senior Fullstack Engineer, MAVENLINK, Salt Lake City Utah
 - Nearly every line of code wrote at Mavenlink was paired on and test driven.
 - Re-built the integrations system from a fragile hand coded prototype to a robust user extensible platform.
 - Ported an auxiliary service from heroku to Kubernetes.
 - Architected and lead a team to implement a user configurable role based access management system.
 - Implemented a statistical testing system that would alert developers of failure rate changes.
 - Optional git push hook that would merge master into your development branch if master had diverged.

Ruby Rails CircleCI Elixir React Redux JavaScript Postgres Backbone jQuery Kubernetes Helm AWS
Gcloud Swagger GraphQL Pair Programming
- Nov 18 - Sept 19

Senior Software Engineer/Team Lead, RECURSION PHARMACEUTICALS, Salt Lake City Utah
 - Compound management system migration: When I took over as team lead, my team was tasked with a large scale project that was already 2 quarters over due. I worked with program and product management to identify MVP and facilitated team brainstorm sessions for a robust company wide migration plan. Together we were able to finish the system in four weeks and successfully roll it out to the company.
 - Implemented a weekly pairing session that has helped to take the team from individually responsible for pieces of the app, to shared ownership.
 - Implemented a bot that integrated github to our project management tool to allow for seamless velocity tracking and task management.
 - Added a universal UI for internal developer documentation that was quickly adopted.

Python Flask GoLang Kafka Postgres React Redux Swagger Docker
- Jun 15 - Jul 17

Software Engineer, PASSIVELOGIC, Salt Lake City Utah

PassiveLogic is a small startup creating a revolutionary new AI driven, simulation based, building automation system. I built the majority of the initial Client side application.

EnyoJs Swift



PROJECTS

HERMIES

2020

 github.com/TrustTheVote-Project/hermes

The OSET foundation is rethinking voting in the digital age. I implemented a system to notify voters when their registration has changed in the government records.

Rails AWS Capistrano

WARI

2017 - 2018

 github.com/mseverini/WARI

A local rock climbing non-profit was having issues coordinating its volunteers. I built a custom app that helped crowd source much of their volunteers work and focus on value adds.

Rails Redux Apollo GraphQL



EDUCATION

MASTERS OF SCIENCE	Electrical Engineering Binghamton University
BACHELORS OF SCIENCE	Mechanical Engineering Binghamton University

Interests

DEVELOPMENT:	GraphQL, Rails, Micro-Services
PROCESS:	Pair Programing, TDD, DDD, Trunk based
PERSONAL:	Outdoor Sports, Fitness, DIY projects