



# JON SLAWITSKY

## SOFTWARE ENGINEER

I am a former technical service analyst with a strong engineering background and I am pursuing a career in software development. I have experience in design and in healthcare software. I am seeking opportunities to work on front-end or back-end web applications.

## CONTACT

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## SKILLS

### LANGUAGES

JavaScript  
Ruby  
SQL  
HTML  
CSS  
GIT  
Java  
MUMPS (M)

### DATABASES

SQL Server  
PostgreSQL  
SQLite  
MySQL

### TECHNOLOGIES

React  
Redux  
jQuery  
Ruby on Rails  
Heroku

## EMPLOYMENT HISTORY

**Epic Systems** Verona, WI  
*Mar 2015 – Apr 2016*

### Technical Service Analyst

Developed server utility to search for scheduled blocks resulting in improved analysis of OR usage statistics.

Developed server utility in MUMPS to search for & update open "Episodes of Care" by date and type.

Debugged code and build errors brought by analysts and clinicians at several major healthcare organizations.

**Max Planck Inst.** HD, DE  
*Oct 2014 – Feb 2015*

### Design Intern

Produced detailed designs and assemblies of opto-mechanical components with Creo Parametric.

**Lima S.R.L.** MB, IT  
*Oct 2014 – Feb 2014*

### Production Intern

Created Java program to model future inventory requirements using historical data acquired from SQL queries.

## PROJECTS

**Formulator** | [Live](#) | [Repo](#)  
*A multipage, form building app*

### React, Redux, Ruby, Rails,

Backend transactions ensure that permanent SQL statements are created for submissions and entries only if they succeed as one atomic unit.

Form builder tab component allows for compartmentalization of functionality and smooth user experience.

Use of currying upon creating fields wraps potential user responses and drives submission process.

**Flow Sim** | [Live](#) | [Repo](#)  
*A fluid visualization tool*

### JavaScript, Canvas

Canvas implementation allows for realistic depiction of fluid flow over time.

Lattice Boltzmann solver determines flow based on streaming and colliding particles.

**RubyArchive** | [Repo](#)  
*An ActiveRecord inspired ORM*

### Ruby

Facilitates the creation of models whose data requires persistent storage to a SQLite database.

Searchable module allows for string based queries or queries built with hashes.

## EDUCATION

**App Academy** NY, NY  
*Oct 2016 – Jan 2017*

### Web Development

1000 hour full-stack programming boot-camp with <5% acceptance rate.

**McGill** Montreal, QC  
*Sept 2010 – May 2014*

### Bachelor of Engineering

Major in Mechanical Engineering, GPA: 3.25  
Notable Courses: Linear Algebra, Numerical Methods, Ordinary Differential Equations, Partial Differential Equations, Computers in Engineering