JON SLAWITSKY

SOFTWARE ENGINEER

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

CONTACT

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jslawjslaw

jonathanslawitsky

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
Nov 2014 – Feb 2015

Design Intern

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

Lima S.R.L. MB, IT
Jun 2014 – Oct 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 on 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, JQuery

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 coding school with <3% acceptance rate.

McGill University QC, CA
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