ALEX SPENCER

SENIOR SOFTWARE ARCHITECT ⚲ TAMPA, FL ☎ 813.373.3407

○ DETAILS ○

Tampa, FL
813.373.3407
alex@alexspencer.net

○ LINKS ○

alexspencer.net

linkedin.com/in/alexlynnspencer

github.com/aspencer8111

○ SKILLS ○

Ruby

Ruby on Rails

jQuery

CSS

Git

PostgreSQL

MySQL

JavaScript

CI/CD

TDD

System Design

Hotwire/Stimulus

Docker

AWS S3, Lambda, EC2

Coaching and Mentoring

👤 PROFILE

Experienced Software Developer adept in bringing forth expertise in design, testing, deployment and maintenance of software systems. Fully experienced with all phases of the Software Development Life Cycle.

💼 EMPLOYMENT HISTORY

Sr. Staff Engineer at Maslar Industries, Oklahoma City, OK - Remote
November 2021 — Present

- Currently leading a team of Jr/Mid level developers that solve supply chain challenges for one of the largest retailers in the nation.

- The application is serving about 1k - 3k active users, with DB rows in the millions and over 200 models/classes.

- Successfully reduced load times on several pages by 65% or more.

- Created several complex DB queries/views to provide up-to-the-minute data/reporting for C-Level stakeholders.

- Ran weekly "Lunch n Learn" talks on topics ranging from DB Views and CTEs, to Ruby 'gotchas', and more.

Software Architect at Spectrio, Tampa, FL
February 2019 — October 2021

- Principal architect for a Rails application that united over seven distributed applications built from completely different frameworks.

- Created a, "one-stop shop," for our customers to log in and access all of the products Spectrio offers.

- Promoted to Director of Engineering in 2019. The 'right hand' of the CTO. Architected and moved projects forward on a weekly/monthly basis. Updated executives weekly.

- Successfully updated a legacy Rails platform from 4.2.X to 6.

- Ensured a greater than 99% up-time for over 60,000 IoT TV boxes.

Senior Software Engineer at Innovations For Learning, Chicago, IL - Remote
July 2017 — February 2019

Primary developer for a monolithic Rails application serving teachers and students in the US, Canada, and Europe. The application paired students in under served school districts with corporate mentors to increase reading comprehension.

- Built a WebRTC application using Node, WebSockets, and STUN/TURN services to allow students to connect to their respective mentors without the need for a 3rd party service (like Skype).

- Replaced a purely random algorithm with a spaced repetition algorithm in the content engine. This was credited with increasing reading retention.

- Reduces session load times by 45% by implementing caching at both the database and view layers

- Coordinated massive overhaul of Clever API to properly import teachers, students, and their personal data.