Sean Colsen

Senior Full Stack Software Engineer

Knoxville, TN, USA (UTC-4:00)
Pronouns: He/Him

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Skills

Languages: TypeScript JavaScript Python CSS HTML SVG Rust PHP Ruby SQL Bash
Front end: Svelte Vue React AngularJS Full stack: Sapper Nuxt Mobile: Capacitor PWA
Back end: Node Deno Django Symfony DB: Postgres MySQL SQLite Redis
Testing: Jest Testing Library Playwright Cypress Storybook Pytest VCS: Git GitHub GitLab
DevOps: Linux Apache Nginx Docker SSH CMS: Drupal Wordpress Jekyll MkDocs
Soft: Remote work Async work Open source Technical writing Pairing Public speaking Math

Experience

Front End Software Engineer for <u>CCI</u> 2021 - now

Helped build <u>Mathesar</u>, an open source spreadsheet/database hybrid application • Worked asynchronously within a globally distributed team of 8 engineers • Implemented complex interactive features with an eye towards performance and usability • Led the UX design process for many core features • Advised on architectural decisions and code standards

Senior Full Stack Software Engineer for <u>Insurance Toolkits</u> 2021 - 2021

Helped build several data-focused B2B SaaS products for insurance sales agents • Converted front end from Flask+Vue to Nuxt • Led incremental migration to TypeScript • Built back end features in Django • Designed and implemented REST APIs • Created a custom web-scraping system to harvest publicly-available insurance data at a large scale • Found and fixed multiple security vulnerabilities

Freelance Software Developer 2016 - 2020

Helped build <u>CiviCRM</u>, an open source CRM for nonprofits Funded my open source work by providing development, consulting, and support to freelance clients using CiviCRM Built a custom static site publishing system for <u>docs.civicrm.org</u>, and migrated 10 years of docs content content into it Found and fixed many upstream security vulnerabilities

IT Manager for <u>Bikes Not Bombs</u> 2008 - 2016

Handled all tech needs for this mid-sized non-profit with over 20 staff ◆ Built a mobile mapping application for a large annual fundraising bike ride ◆ Migrated fundraising database to CiviCRM and developed many customizations for it ◆ Designed and built public website

Freelance Web Developer 2007 - 2008

Designed and built marketing websites for small businesses, organizations, and community groups

Personal Projects

Octave Compass An interactive tool for musicians to explore scales and chords

Svelte TypeScript

Svelte TypeScript Python Postgres

Vue Nuxt Python Postgres

AngularJS PHP Symfony MySQL

Drupal PHP MySQL Ruby

Drupal PHP Symfony

Education

Interests

Bachelor of Science in **Electrical Engineering** Northeastern University, Boston (GPA 3.7/4.0)

Carpentry, homesteading, accordion, mountain biking, rock climbing, mechanical keyboards