

# Sean Colsen

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

## Senior Full Stack Software Engineer

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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: PostgreSQL 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 [CCI](#) 2021 - now

Svelte TypeScript Python PostgreSQL

Helped build [Mathesar](#), 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 [Insurance Toolkits](#) 2021 - 2021

Vue Nuxt Python PostgreSQL

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

AngularJS PHP Symfony MySQL

Helped build [CiviCRM](#), 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 [docs.civicrm.org](https://docs.civicrm.org), and migrated 10 years of docs content into it ♦ Found and fixed many upstream security vulnerabilities

### IT Manager for [Bikes Not Bombs](#) 2008 - 2016

Drupal PHP MySQL Ruby

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

Drupal PHP Symfony

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

## Education

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

## Interests

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