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 CCI   2021 - now   Svelte TypeScript Python Postgres

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 Postgres

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, and migrated 10 years of docs content 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