James Demlow, Software Engineer

Denver, CO, 248-202-7227, jdemlowdev@gmail.com

LINKS

PROFILE

Helped ship greenfield features for an award-winning health equity platform used by over 85,000 users annually. Collaborated cross-functionally across data, design, and engineering to integrate more than 200 CDC metrics into a public health dashboard. Supported deliverables tied to multi-million dollar grant-funded health research through data pipeline work and UI development. 3 years of experience with JavaScript, TypeScript, React, Firebase, MongoDB, Node.js, Tailwind CSS, GitHub, Playwright, and Google Cloud Platform.

HISTORY

Oct 2023 — Present

Software Engineer, Morehouse School of Medicine
Denver, CO

Tech: React, TypeScript, Tailwind CSS, Python, Pandas, Playwright, Git/GitHub, GCP

- Contributed to a nationally recognized open-source app visualizing over 215 public health metrics from the CDC, U.S. Census, and other sources.
- Consolidated overlapping styling systems (Material UI, Sass, CSS modules, and inline styles) into a unified Tailwind CSS framework, improving maintainability and design consistency.
- Implemented end-to-end tests with Playwright covering 11 of 33 health conditions, contributing to full topic coverage and reducing manual QA burden.
- Currently leading development of a full-stack feature focused on mental and behavioral health data. Improving accessibility and user experience by transforming raw CDC values into percent format, aligning schemas, and building front-end visualizations for public use.
- Delivered implementation of a maternal health time-series feature from concept to production, integrating CDC birth and death rate data by race/ethnicity and building accessible state-level visualizations in collaboration with design, data, and engineering teams.
- Developed more than 14 modular front-end components using TypeScript and React, aligned with the app's design system and accessibility standards.
- Participated in code reviews, pair programming, SEED mentorship, and onboarding documentation to support a growing engineering team.

Apr 2022 — Present

Software Engineer, Aviaf Web Solutions
Denver, CO

- Designed and delivered responsive, SEO-optimized websites for small business clients.
- Reduced delivery delays by 33% through improved client collaboration and deployment practices.
- Boosted site engagement by over 27% through modern accessibility and UX improvements.
- Selected Clients: deliciouslyglobal.com, electrolysisdenver.com

Feb 2019 — Apr 2022

Owner / Operator, Aviaf Resale
Denver, CO

- Founded and ran a profitable online retail store specializing in vintage men's clothing.
- Managed all aspects of the business, including sourcing, inventory, marketing, and customer relations.
- Averaged $32,000 in annual sales.

Dec 2012 — Feb 2019

Private Music Instructor, The Berkley Music Co.
Berkley, MI

- Taught weekly private music lessons to 40+ students ranging in age from 6 to 55.
- Led recitals, managed scheduling, and developed customized lesson plans.

Aug 2022 — Apr 2023

100 Devs Software Engineering Full Stack Bootcamp and Agency

Remote

Completed projects with JavaScript, React, API Fetch, Node.js, MongoDB, HTML/CSS, and GitHub workflows.

May 2005

Associate's Degree, Oakland Community College

Royal Oak, MI

Major: Liberal Arts

SKILLS

Languages & Frameworks

JavaScript, TypeScript, HTML5, CSS3, Python, Node.js, React, Firebase

Tools & Platforms

Git, GitHub, MongoDB, Tailwind CSS, Playwright, Pandas, Google Cloud Platform, Netflix, Render, Vercel

Soft Skills

Communication, Collaboration, Mentorship, Client Relations, Self-direction