

NOAH SCHMEDDING

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About Me

Full Stack Developer and IT Specialist with a B.S. in Computer Science and hands-on experience building responsive, secure, and scalable web applications. Skilled in React, Node.js, cloud services, and DevOps tools, with expertise in system design, data modeling, and end-to-end solution delivery. Combines strong engineering thinking with exceptional problem-solving skills and experience supporting multi-location technical environments.

Experience

Full Stack Developer

Independent | 2024 – Present

- Engineered a full-stack, portfolio website using React 19, React Router DOM v7, deployed with a custom domain (noahsax.com).
- Implemented advanced frontend patterns including lazy loading with React.lazy(), error boundaries, and custom React hooks to manage application state and logic.
- Built a responsive UI with Tailwind CSS v3, creating a custom design system by configuring tailwind.config.js for theming and component styling.
- Integrated multiple third-party APIs and services: EmailJS for a functional contact form, Google reCAPTCHA v3 for spam protection, and the YouTube IFrame API to embed and control video content.
- Developed complex UI/UX animations using Framer Motion, GSAP (GreenSock Animation Platform), and Lottie React for JSON-based vector animations.
- Optimized application performance by implementing image optimization scripts, asset preloading, and configuring Netlify deployment rules in netlify.toml to handle SPA routing.
- Maintained professional development workflows using Git for version control, environment variable management, and comprehensive documentation.

IT Specialist

Prairie State Tractor | 05/2022 – 07/2024

- Provided technical support across eight locations, troubleshooting complex software and hardware issues.
- Designed and developed a custom asset management application using Microsoft Power Apps, implementing data modeling and user authentication.

- Created data visualization dashboards and maintained comprehensive documentation for all technical systems.
- Coordinated with department heads to define technical requirements and implement scalable solutions.
- Managed IT asset acquisition and deployment statewide, including procurement and logistics.

Skills

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Python
- **Frontend:** React 19, React Router DOM, Tailwind CSS, Framer Motion, GSAP, Lottie React
- **Backend & APIs:** Node.js, Express, RESTful APIs, API Integration (EmailJS, reCAPTCHA, YouTube API)
- **Cloud & DevOps:** AWS, Git/GitHub, CI/CD, Netlify, Create React App, npm
- **Development Practices:** Agile/Scrum, Testing, Clean Code, Documentation, Responsive Design, Performance Optimization
- **IT & Platforms:** Microsoft Power Apps, Data Visualization, Troubleshooting, Asset Management, Customer Service

Projects

Personal Music & Portfolio Website

Live: noahsax.com | Code: github.com/nschmed14/music-website

- A full-featured, animated SPA built with React 19 and Tailwind CSS, showcasing integrated APIs and modern frontend patterns.
- Key Tech: React, React Router, Tailwind CSS, Framer Motion, GSAP, Lottie, EmailJS, reCAPTCHA, YouTube API, Netlify.

Custom Asset Management Application

- Designed and implemented a custom application for company-wide asset tracking using Microsoft Power Apps.
- Created data visualization dashboards and comprehensive system documentation.

Education

B.S., Computer Science,
University of Northern Iowa - 2023

B.A., Music,
University of Northern Iowa - 2023

M.A., Music Performance,
University of Wisconsin-Madison
Expected 2026