




Christopher Rau

Full-Stack Software Developer

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 [LinkedIn](#) |  [GitHub](#)

Self-taught Full-Stack Software Developer with a background in education, aviation, and music. Skilled in problem-solving, quick adaptation, and passionate about building intuitive, high-performance web applications. Proficient in JavaScript, React, and backend technologies. Seeking a collaborative role to leverage my diverse skill set in creating impactful web applications and continue developing expertise in full-stack development.

Technical Skills

- **Frontend:** HTML, CSS, JavaScript (ES6+), TypeScript, React.js, Next.js, TailwindCSS
- **Backend:** Node.js, Express.js, REST APIs, PostgreSQL
- **Development Tools & Deployment:** Git, GitHub, VSCode, Vercel, Render, Netlify

Projects

Movie Search App

 [Live Demo](#) |  [GitHub](#)

- Developed a real-time movie search app using React and OMDB API, optimizing API calls to enhance search speed by 30%.
- Utilized **useEffect** for real-time data fetching and implemented client-side routing.
- Ensured a **responsive and user-friendly UI** with TailwindCSS.

Acme Rockets

 [Live Demo](#) |  [GitHub](#)

- Designed a landing page for a fictional aerospace company using TailwindCSS, achieving a 40% improvement in site performance through optimized **utility classes**.

Pong Game (Canvas API)

 [Live Demo](#) |  [GitHub](#)

- Built a **browser-based Pong game** using the Canvas API, featuring collision detection and AI-driven opponent behavior.
- Implemented game logic and event handling with JavaScript and Canvas API for smooth gameplay.

Experience

Freelance Web Developer

 Nashville, TN | 2023 - Present

- **Communicated effectively** with non-technical clients, translating ideas into functional, user-friendly web solutions.

- Improved user experience through data-driven design decisions and troubleshooting of bugs and performance issues.
- Built responsive websites using **HTML, CSS (TailwindCSS), JavaScript, React, and Next.js**.

Middle Tennessee Public Schools

 Nashville, TN | Professional Educator (2008 – Present)


- Designed and implemented interactive digital lessons, improving student engagement by 25%—similar to UX/UI principles in web design.
- Applied **problem-solving and adaptability** to address diverse student needs.
- Managed multiple projects and deadlines while maintaining a structured learning environment.
- **Mentored** students in **logic and problem-solving** skills directly similar to debugging in coding.

Delta Air Lines

 Atlanta, GA | Flight Attendant (1998 – 2005)

- Provided outstanding **customer service** and ensured passenger safety by making quick, effective decisions in high-pressure situations.
- Used **problem-solving skills and flexibility** to resolve passenger issues and ensure safety during flights.
- Worked collaboratively with international teams, reinforcing cultural awareness and strong interpersonal skills.

Starstruck Entertainment

 Nashville, TN | Publishing Assistant & Recording Engineer (1993 - 1997)

- **Managed** song catalogs and studio sessions with precision and efficiency, demonstrating strong **organizational and detail-oriented** skills.
- Engineered and edited professional songwriter demos with creativity and **attention to detail**.

Education & Certifications

- **Web Dev Incubator (2025)** – Software Development Mentor Program
- **FreeCodeCamp (2024)** – Responsive Web Design Certificate
- **Codecademy (2023)** – Frontend Engineer Certificate
- **PennWest California (2010)** – M.S. Exercise Science & Health Promotion
- **Lipscomb University (2008)** – B.S. Health and Physical Education

Accomplishments:  Boy Scouts of America – Eagle Scout.

Developed **leadership, project management, problem-solving, and teamwork skills** while leading high-impact projects.