

John Norlin

Software Engineer | Chicago, IL | [Portfolio Website](#)

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Technical Skills: TypeScript, JavaScript (ES6+), HTML, SASS + CSS, Next.js, React, webpack, Redux (+Toolkit), Node.js, Express, D3, NoSQL - MongoDB/Mongoose, SQL - PostgreSQL, Kubernetes, Docker, Git/Github workflow, WebRTC, Jira, Jest, Supertest

Experience

Paprika | Software Engineer

2024 – Present

Built Paprika's web presence @ trypaprika.com with a focus on accessibility, SEO optimization and implemented backend service modifications including AI-augmented description and image generation to enhance a database of 650k+ restaurants across the US.

- Developed responsive components from Figma designs, leveraging Emotion/styled and Storybook for robust documentation and modular code organization, owning the web application product development and overall strategy.
- Implemented robust SEO strategy, adhering to content and development best practices to boost Paprika's web presence.
- Integrated with existing React Native app product, connecting Supabase databases and current APIs for functionality wiring.

DataAnnotation | AI Developer

2024 – Present

Trained LLM AI models from a range of client companies to achieve accurate Python, JS and SQL code generation and comprehension.

- Prompting AI models for complex code generation tasks, testing context retention throughout multi-turn conversations.
- Training LLMs for safety, accuracy and verbosity through response cycle, debugging and correcting problematic code responses.

OS-Labs | Software Engineer

2023 – 2024

Developed Asclepius, a Kubernetes metrics visualizer that provides users with an intuitive and abstracted configuration, authentication and metrics retrieval solution to enable engineering teams to analyze real-time cluster health.

- Implemented a modular React/Redux frontend to ensure a reusable and stateful system for all UI components.
- Created a responsive live node map using D3 to visually represent the structure and health of Kubernetes cluster nodes.
- Using Node.js and Express, built customizable and reusable middleware that allowed for execution of kubectl commands to connect, configure and pull K8s cluster data.
- Conducted frontend testing on Redux reducers. Integrated supertest with Jest for the backend to verify server resilience and allow future developers to easily confirm the state of the application before adding any additional business logic.
- Built, containerized and deployed application to a Kubernetes cluster on a variety of local and cloud platforms.

Freelance | Audio Engineer

2016 – 2023

Worked across the audio field engineering and producing recording sessions for clients like PBS (Echo Sessions), Manchester Orchestra, Kishi Bashi, Moses Sumney, Boyz II Men and the Asheville Symphony Orchestra at Echo Mountain Recording Studios. Ran live sound reinforcement for a variety of music acts at ISIS Music Hall in Asheville and Operas, Orchestra/Full Choir and more at IU - Bloomington.

- Routed and troubleshooted complex audio signal paths and robust and well-architected chains of effects and gain staging.
- Managed client relationships throughout sessions, creatively and technically communicating to achieve their musical vision.
- Repaired and built audio equipment - utilizing schematic reading, voltage testing and soldering to isolate and replace faulty circuits and individual components.
- Developed audio plugins using Max/MSP and Max4Live, a visual programming environment for audio tooling development in Live.

Projects

Renewable Energy Generation | Software Engineer - *Open-source Renewable Energy Comparison Dashboard*

2023

Created an interactive app to intuitively visualize and compare renewable energy sources by US state.

- Created a fully rendered US States map using Chart.js, a powerful visualization framework that includes highly customizable design and a solution for effortless and intuitive linking of map interaction to data retrieval.
- Implemented a PostgreSQL relational database to store EIA.gov power plant data, allowing for complex querying of data tables and bringing robust data constraints that ensured reliability and accuracy even with a large initial .csv data set.

Talks/Publications

[WebRTC Tech Talk](#) (sponsored by Remake Labs)

Jan. 2024

[Asclepius Medium Article](#)

Jan. 2024

Education

Indiana University (Jacobs School of Music) - *Audio Engineering*

Codesmith - *Software Engineering Immersive*

Interests

Music and Audio - Countless hours spent, from memorizing concertos to tweaking frequencies for hours in my bedroom!

Hiking/Camping - Growing up in the mountains of Asheville NC, I gained a life-long love for being outdoors.