

Will Worrell

Software Engineer

willworrell.dev

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Creative Computer Science graduate driven by a love of building. Through 3+ years in development-adjacent roles, and dedicated self-study I've solidified my passion for software engineering. Ready to grow and make an impact.

Education

Colgate University - BA, Computer Science - Magna Cum Laude

September 2017 - May 2021

Skills & Languages

JavaScript, TypeScript, Python, HTML, CSS, React, Node.js, AWS, SQL, MongoDB, Git, Tailwind, Agile, BluePrism

Work Experience

Strategic Retirement Partners

Software Engineer (Freelance)

April 2024 - October 2024

- Built 401k data projection/visualization app, enabling advisors to display accessible insights on client retirement outlook and demonstrate impact of different financial actions; increasing client participation/contribution.
- Elegant user input flow and interactive charts built with TypeScript, React, Material UI & Tailwind CSS.

501Database

Software Engineer Intern

April 2023 - August 2023

- Designed/Implemented multi-page customer intake form & corresponding configuration tools in admin portal.
- Feature used by 20+ local non-profits to provide frictionless onsite sign-in experience and user data capture.

L3Harris Technologies

Technical Project Manager

August 2023 - Present

- Oversaw Robotic Process Automation projects serving 45k employees, generating \$250k+ in annual savings.
- Managed meetings, deliverables & served as technical liaison between developers and project stakeholders.
- Deployed & monitored bot processes and application servers across dev, test and prod environments.

Business Analyst

November 2021 - August 2023

- Owned \$1.5 million per year in contract initiations & renewals for software procured from 25+ vendors.
- Managed software utilization audits in ServiceNow to right-size contract renewals for maximum savings.

Featured Projects

ER-404 (er-404.com) - *Vintage drum machine emulation & beat-maker in the browser*

Tone.js, React, TypeScript, TailwindCSS, Framer Motion

- Neomorphic/skeumorphic UI with animated knobs, sliders and digital displays for sample selection & fx control.
- Complex audio playback state management handled via custom hooks and multiple context providers.

Klarr (klarr.app) - *Bauhaus design inspired productivity dashboard*

React, TypeScript, Node.js, MongoDB Atlas, Firebase, TailwindCSS, Framer Motion

- Full drag-and-drop interface with layout animations for fluid, fully responsive UX.
- Google Authentication & database management scripts for seamless data.

AI Playlist Assistant - *AI powered music player which recommends compatible tracks from user playlists.*

Next.js, React, TypeScript, Tailwind CSS, Vercel AI SDK, Spotify API & Playback SDK

- Dynamically fetches, cleans & aggregates selected playlist song data from Spotify and GetSongBPM APIs.
- Spotify playback with custom OpenAI Assistant drawing from playlist/playback knowledge to recommend songs.

Certifications

Amazon Web Services - AWS Certified Cloud Practitioner

IBM - Databases & SQL for Data Science with Python