

Jason Frank

Front-end software engineer & UI/UX designer

EXPERIENCE

UI/UX Engineer & designer – Cadre5, Knoxville, TN

2012 - PRESENT

Designed and developed user interfaces primarily for enterprise applications. My role would sometimes be focused on development, other times on design.

- Designed UI's for approving change-requests across all data-types of a project (e.g., scope, schedule, funding, spend plan).
- Designed change-request initiation UI's for several different data-type processes. Designed **custom visualizations** to help users understand the impact of their changes.
- Implemented side projects to prototype and learn new cloud and frontend technologies. Examples include:
 - “Meow tracker”: an **Azure**-backed app that used a custom Google Assistant action to collect new meows from my cat and then broadcast them to subscribers via SMS.
 - “Meow caller”: A peer-to-peer video-calling React app powered by **WebRTC**.
 - “Jailbreak” game (in-progress): A **Next.js** multi-person game backed by **Firebase** authentication, **Firestore** database, **cloud functions**, and custom **GitHub actions** for deployment.
- Implemented pages and library components in **React**. Examples:
 - Created a set of UI controls based on the **Material UI (MUI)** suite to encapsulate our design language and add control customizations. Built a robust set of demo pages that our developers still use.
 - Built a **React bullet-chart component** to visualize performance
- Helped transform our frontend architecture from a Knockout.js and jQuery-based stack to a **React**, **Redux**, and **SASS** frontend.
- Designed a schedule page UI which included **custom Gantt visualizations**, milestone breakdowns and multiple “perspective” modes to highlight different aspects of a project.
- Implemented a simple **asynchronous UI rendering fix** to solve a non-responsive UI caused by a flooded **JavaScript event queue**.
- Implemented a **WPF** and **C#**-based UI for a scientific imaging application which allowed users to scan concealed objects and then construct imaging using tomography.

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ABOUT

I love creating experiences that are a joy to use. I turn complex processes into understandable interactions. Visit [my website](#) to learn more about me and my experience.

SKILLS

React, Next.js, JavaScript, Node.js, Tailwind CSS, Styled Components, SASS, CSS, HTML. TypeScript (still learning!)

Git, GitHub

C, C++

Firebase, Azure

Figma, Sketch, InVision

EDUCATION

University of Tennessee *Masters in Computer Science*

2009 - 2011 • Knoxville, TN • **GPA: 4.0**

Pellissippi State Community College *Undergraduate Computer Science coursework*

2008 - 2009 • Knoxville, TN • **GPA: 4.0**

Anderson University *Bachelors in Mass Communications*

1995 -1999 • Anderson, IN