

# Jack Kufa

Front End Software Engineer

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jack@kufa.io

## Skills

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- TypeScript, JavaScript, C#, Python, HTML5, CSS3, Tailwind, Sass, Java, PostgreSQL, MS SQL Server
- React, Angular, Vue, Svelte, SvelteKit, NextJS, .NET, RxJs, Cypress, Playwright, Jest, Storybook
- RESTful APIs, Microservices, Azure, CI/CD, Unit testing, Agile, Node, Express.js, Git, Docker, Figma

## Experience

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### Front End Software Engineer

Service Management Group

Jan 2022 – Feb 2024

Kansas City, MO

- Architected & implemented key functionality in TypeScript/Angular client onboarding wizard, including state management system & user session saving service, cutting client onboarding time from 2 weeks to minutes
- Refactored end-to-end Cypress tests into reusable suite using JSON fixtures & custom commands, resulting in more coverage for less code & 93% fewer brittle tests
- Delivered enhancements to SaaS TypeScript/Angular/NX micro-frontend prototype, including updates to localization framework & adding functionality for client admins to view/manage their users, improving UX
- Engineered scalable C# REST APIs & microservices to replace critical legacy systems for ingesting & processing company hierarchy data, improving processing times by 99.6%
- Owned team linting, testing, & CI/CD pipelines to streamline development, ensure code quality, & handle deployments to Azure cloud resources across 4 different environments

### Front End Software Engineer Intern

Service Management Group

May 2021 – Aug 2021

Kansas City, MO

- Maintained & enhanced production JavaScript/AngularJS app with over 85,000 active users, improving unit test coverage & fixing case management statuses for all dashboards
- Optimized reporting C# REST API business logic by implementing a 'lite' model for large sets of KPI data, resulting in a smaller payload & 93% reduction in page load times
- Developed reusable, responsive Angular UI components for internal design system, cutting dev time by 33%

### Software Engineer

CinemaCraft LLC

May 2020 – Aug 2020

Remote, US

- Managed development of assets for creators that generated over 16.6 million unique views on YouTube
- Developed in large enterprise Java codebase & automated plugin deployment to servers with Maven
- Coordinated with various departments to deliver bundled assets & resources in a weekly deliverable

### Software Engineer Intern

Yaskawa America Inc

May 2019 – Aug 2019

Oak Creek, WI

- Automated building EPLAN electrical panel schematics, reducing design time by about 30 minutes per schematic
- Architected MSSQL database using Code First Migrations/Entity Framework 6 to store schematic configurations
- Built ASP.NET MVC Web Application to serve views, handle schematic requests, & maintain data contracts

## Projects

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### Journey • <https://journeytodo.com>

Sept 2023 – Present

SvelteKit, TypeScript, Sass/SCSS, Supabase, Supabase Auth, PostgreSQL, Vercel, Playwright

- Stored binary materialized paths for goals in PostgreSQL database to handle hierarchies of nested sub-goals & support custom ordering, resulting in load times under 1 second for 32 million goals
- Integrated Google Lighthouse into CI/CD pipeline to automate accessibility & performance checks across pages
- Utilized SvelteKit's server-side rendering to improve SEO & reduce initial overhead on the client

## Education

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### Missouri University of Science & Technology

B.S. Computer Science, B.S. Computer Engineering

Dec 2021