



# Kevin Groat



I am a driven full-stack software engineer and architect. I believe in writing maintainable code and user-friendly experiences. I am familiar with everything JavaScript and Typescript, and am constantly striving to better my trade through new projects and code katas. I aim to bring psychological safety to every team I am on, and feel open communication is key to having a high-performing team.

# Experience

## Disqo

November 2022 - Present

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### Lead Frontend Engineer for SurveyJunkie

Leading the frontend team transitioning SurveyJunkie from an Angular and PHP monolithic codebase to a modular React codebase. Devised new architectural patterns for the React project that allow for more code reuse and maintainability. Introduced new technologies to the stack, including Cypress for end-to-end testing and SWR for interacting with REST APIs. Refactored large swaths of code to make them more maintainable and cleaner.

React

TypeScript

jest

Cypress

Storybook

SWR

Webpack

i18next

GitLab

Figma

## Oracle Data Cloud / Oracle Advertising

November 2018 - November 2022

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### Software Architect for custom App Gateway

Designed and implemented an App Gateway sitting in front of and managing multi-tenant applications. Created tooling to allow each tenant to have their own identity domain and segregated data.

React

TypeScript

Java

Spring Boot

JUnit

kubernetes

nginx

Oracle Cloud Infrastructure

Oracle IDCS

GitLab

### Senior Developer for BlueKai DMP

Rebuilt the frontend of BlueKai from a Ruby on Rails thin client to a React and TypeScript project. Implemented complex logic within a monolithic Spring codebase. Worked closely with designers to implement a re-usable React component framework, including a complex tree-structure component.

React

TypeScript

Java

Spring

JUnit

kubernetes

nginx

Ruby on Rails

GitLab

Figma

## Excella Consulting

April 2012 - November 2018

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### Voice of America

Single-handedly built native mobile applications in over 10 languages using a single codebase. Integrated a VPN tunnel for discreet access to news from areas where such information might be limited. Helped design and integrated with a serverless GraphQL endpoint for gathering and displaying news media.

React

TypeScript

Cordova

Java

Swift

GraphQL

Serverless

AWS Lambda

i18next

GitHub

### USCIS - myUSCIS application suite

Maintained two applications and led effort to bring React, Redux, and GraphQL into projects. Served as surrogate to UX team to help build a better user experience using React and more effective microinteractions.

React

Redux

Ruby on Rails

GraphQL

Jenkins

GitHub

### USCIS - Civics Test Study Tools

Architected and developed a React Native application to allow immigrants to prepare for the US citizenship test. Created strong testing framework, pipeline, and build tools to ensure high quality code and easily publishable product.

React Native

TypeScript

Redux

GitHub

### NRECA - Retirement, Payment & Distribution

Led a team of 4 developers to build an application to manage the payment and distributions of a \$200M pension fund. Architected a .NET application backend and Backbone/AngularJS front end with more than 1 million lines of code.

C#

ASP.NET

Angular

RequireJS

MS SQL

### NRECA - Online Projections

Built a web application to interface with Cobol mainframe in order to serve clients a projection of their eventual retirement or death benefits from a \$200M pension fund.

C#

ASP.NET

# Projects

## Sound Color Project

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Featured at the Smithsonian's SoundScene2020, Sound Color Project explores the accessibility of sound through color, light, and texture, offering an opportunity to experience the sound spectrum visually. Though it began as a way to offer D/deaf or hard of hearing individuals an opportunity to visualize the feeling of music, the project has evolved into a system for exploring the ways that sound and color relate to each other.

[React](#)[TypeScript](#)[WebGL](#)[Web Audio API](#)[Progressive Web App](#)[heroku](#)

## Planning Poker

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A simple, intuitive way to collaborate on pointing stories during SCRUM backlog grooming or planning. Each member of the team gets to select their estimate, and the facilitator flips all of the cards at once to view all of the votes. Clear indicators show what users have chosen their estimates, and which members are still thinking.

[Qwik](#)[TypeScript](#)[Supabase](#)[QwikCity](#)[PostgreSQL](#)[vite](#)[Google Cloud Run](#)

## Quote Explorer

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A fun little app which lets you submit and explore quotes from famous people throughout history. Built with Next.js, Prisma, and Next Auth, this project showcases some best practices surrounding using server-side rendering and server actions.

[React](#)[TypeScript](#)[Next.js](#)[React Query](#)[Prisma](#)[PostgreSQL](#)[Vercel](#)