

## TECHNICAL SKILLS

Typescript / JavaScript (ES6)  
React(+ Hooks, Context API)  
Next.js & Vercel  
Prisma ORM/ GraphQL & TRPC  
Express  
Authentication (+OAuth, JWTs)  
Tailwind CSS  
Styled Components UI/UX  
Redux & React Router  
Node.js & NPM  
AI (OpenAI & Palm)  
Docker  
Segment Tracking  
PostgreSQL / NoSQL  
Create React App  
Amazon Web Services (AWS)  
(+ EC2, IAM, RDS, S3, EBS)  
OOP & Functional Programming  
Bootstrap, HTMLSASS/SCSS + CSS  
Agile/Scrum Development  
Jira/Confluence & Kanban  
Version Control (Git/GitHub)  
TDD (Jest, Enzyme, Mocha)  
React Testing Library  
E2E Testing (Cypress)  
D3 Visualizations  
Google Chrome Extensions

## PUBLIC TALKS

### React Native & Flutter

A Developer's Comparison of  
Mobile App Hybrid Frameworks

@SingleSprout Software  
Engineering Speaker Series

### Optimization for Web Frameworks

Perspective & Analysis for  
Next.js, Gatsby, and  
Create React App

@ SingleSprout Software  
Engineering Speaker Series

### Empathy and the Art of Listening

Hearing & Understanding  
When it's Needed Most

@ Toastmasters International  
Nashville Speaker Series

## EDUCATION

### Vanderbilt University

BS in Civil Engineering

## CERTIFICATIONS

### Certified ScrumMaster

Scrum Alliance

### Professional Engineer

Tennessee Board of Architectural  
and Engineering Examiners

## INTERESTS

powerlifting and weight resistance  
training | reading novels of dead  
Russian authors | ping pong ninjia |  
exploring abandoned buildings in  
Berlin | cave spelunking in Vietnam

## EXPERIENCE

### AXIO | *Software Engineer II / Scrum Master*

2022 - 2023

- Created and presented the company's first style guide and documentation hub used by over 40 employees
- Kickstarted the "Monorepo Initiative" project using Next.js, Mantine components, Tailwind CSS, and React Storybook to create a set of reusable components and stories and to define the development sprint process
- Organized the transition of a Kanban team to Agile as Scrum Master & increased team velocity by over 50%
- Collaborated with product owners and provided documentation and presentations to the C-suite to gain approval for Scrum transition in the first month; reduced scope creep by more than 30% in less than 3 weeks
- Facilitated sprint planning, daily standup meetings, sprint retrospectives, release planning, and other Scrum-related meetings to up to 12 developers to enforce core Agile principles of collaboration and organization

### MURAL | *Software Engineer*

2021 - 2022

- Led the development of the "Backoffice" application by leading frontend team to connect to the company intranet; App connected to over 12 APIs across Mural key systems & launched 1 month ahead of schedule
- Coordinated and created Mural's "Refund Tool" application used to safely and securely manage private transactions and offer refunds between the company and clients via Stripe, Apple Pay, and Google Pay
- Built the secure login and authorization functionality for Backoffice that adhered to security best practices
- Implemented web event tracking via Segment Connections to track user engagement and interactions; Utilized metrics from event data to inform prioritization of new features in future deployments
- Created a search bar that connects to internal APIs, allowing the Operations team to utilize complex filtering to more quickly find, edit, and update client information
- Overhauled all legacy code towards refactoring for the existing Next.js app by migrating React class components to React Hooks in order to provide a streamlined developer and user experience
- First BizOps team developer to implement Redux which led to successful adoption across multiple projects
- Established frontend coding principles to quickly onboard new engineers to write simple, maintainable code

### RECOILIZE | *Software Engineer*

2020 - 2021

- Integrated D3 with React frontend by visualizing nodes and paths in an interactive component graph of target atoms and selectors, in a state graph and in a filterable atom network showing component connectivity, enabling users to see the network of each component with hide/feature functionality and visibility options
- Spearheaded Typescript integration in React environment by creating specific interfaces for components and action creators to enforce static typing and provide interfaces for intermediary React components
- Integrated Jest with React Testing Library by using mock functions for verification of proper application and Recoil snapshot functionality as well as user interface testing for comprehensive test-driven development
- Devised a throttle algorithm on Recoil API's custom observer hook that tracks state changes and provides more granular control over the frequency of calls to snapshots in order to optimize performance

### INFOWORKS | *Software Client Business Consultant*

2017 - 2019

- Clients: PricewaterhouseCoopers (PwC) – Document Connect Cloud Storage Service, PopHealthCare*
  - Created and executed detailed application software test plans and test cases for both legacy code and new functionality as well as designed time-saving "Shared Step" quality testing program
  - Utilized JIRA Test Case to perform functional, regression smoke, cross browser, and data migration testing from Oracle to SQL Servers for over 15 terabytes of confidential healthcare patient data
  - Executed SQL & NoSQL queries to verify and test database integration for web-based and desktop versions of the application software to be included in the closed source software for data safeguard

## PERSONAL PROJECTS

### TRAVELPERFECT | *Travel Planning AI Tool*

travelperfect.io

- Developed an AI-driven travel itinerary tool using Next.js to integrate type-safe OpenAI API routes with user models to achieve a tailored travel experience personalized for the user per their preferences