

Résumé

I enjoy the challenge of frontend development while solving complex, multi-dimensional problems in a large-scale software architecture. I believe in the extreme collaboration within and between teams-unified in vision- to achieve engineering, product and business success. With 15+ years of UI and full-stack software development, I leverage **React**, **Next.js**, **Node.js**, **TypeScript** and **GraphQL** in development of high-quality software solutions. I'm experienced in delivery of performant features using techniques; such as, server-side rendering (**SSR**). I am interested in maximizing the exciting potential of **AI** tools and technologies to build products and experiences that users love. I look forward to my continued evolution as a software engineer and delivering best quality results with great passion and enthusiasm in the future.

React Developer

03.2025 - 09.2025**Turngate • Ellicott City, MD • Cybersecurity and Data Solutions**

As Senior Front-End Engineer, I collaborated with other teammates in the design and implementation of scalable web applications, dedicated to transforming complex data into actionable insights.

Engineered UI technology utilizing **React**, **TypeScript** and **TanStack** open source software.

Responsible for:

- **TanStack Router** route-based architecture
- Innovative approach, leveraging latest technologies to enhance platform functionality
- React UI development using **TanStack Query**, Material UI, Material React Table

React Developer • Team Lead • Director

05.2022 - 08.2024**Optii Solutions • Austin, TX • Hotel Operations Software and Predictive Technology**

As Director and Team Lead, I empowered the Optii engineering organization while delivering software solutions that optimized labor and streamlined operations within hotel operations. Developed product features that empowered housekeeping, preventative maintenance teams and enhanced service delivery and internal communications. Engineered UI technology utilizing **React**, **Node.js**,

TypeScript and **GraphQL** Championed:

- **Agile product development** strategy
- Hiring, coaching and **mentoring** of teammates
- Modernization of UI platform, including migration to React 18
- React UI development using Ant Design, Redux, Formik, Capacitor
- Microservices API development w/ Typescript, Node.js and Apollo GraphQL

ANDY FRITH

E: afirth.denver.usa@gmail.com T: On request
BBA. MIS, 1996 University of Georgia

React Developer • Project Lead

05.2018 - 03.2022

Avero, Inc. • New York, NY • Restaurant Operations Software

Responsible for delivering software solutions within the restaurant and hospitality space. Built customer facing web applications prioritizing a positive user experience, multi-browser compatibility, and scalability concerns. Responsible for:

- **React** UI development using Material UI, Formik and state management libraries; such as Redux and XState
- **Microservices** development w/ **Typescript**, **Node.js** and **Apollo GraphQL**
- Integration of 3rd party APIs- Salesforce CRM and Oracle Netsuite ERP

React Developer • Full-Stack Developer

05.2017 - 01.2018

Blue Spruce Capital • Broomfield, CO • Private Equity & Wealth Management

Led API development for the BSCC Employee Portal application. Developed highly scalable, secure backend services. Produced innovative **React.js** and **Node.js** solutions based on the NATS microservices architecture. Responsible for:

- API development for BSCC Employee Portal application using **GraphQL**
- **Microservices** development with the NATS Server messaging system
- Implementation of SSO authentication with Azure based on the SAML 2.0 protocol

Frontend Developer • AngularJS Developer • UX Developer

03.2016 - 11.2016

DarkOwl Cybersecurity • Denver, CO • Darknet Data, Threat Intelligence Software

Led the UX Strategy in problem discovery, requirements definition and prioritization for challenging startup projects. Inspired product innovation in company-wide initiatives which leveraged cybersecurity and OSINT domain expertise and customer knowledge. Responsible for:

- UX development of OWL Vision Professional Tools using **AngularJS**
- Integration of OWL Vision Platform with Maltego, interactive data mining, link analysis, and graphing
- Data Visualization of OWL Vision Platform data using **D3** and AngularJS

ANDY FRITH

E: afrith.denver.usa@gmail.com T: On request
BBA. MIS, 1996 University of Georgia

Frontend Developer • AngularJS Developer

10.2014 - 11.2015

Isobar • Denver, CO • Dow Jones WSJ Subscription Software

Responsible for the development of the Dow Jones WSJ international subscription product. Delivered well-architected UI- a scalable, elegant, optimized, **responsive design** for mobile, tablet and desktop. Addressed cross-browser compatibility issues while delivering a superior User Experience.

Responsible for:

- HTML, CSS3 and **AngularJS** 1.5 UI development
- Integration of **Node.js** subscription API services
- Robust, well-tested components using the **Jasmine** testing framework
- Implementing **performance optimizations**