

Adam Tolley

Senior Software Engineer & Web Application Architect

I am a seasoned software engineer with experience over a broad variety of platforms and paradigms. A problem solver first, I have provided technical leadership and innovation as an architect of multiple full-stack web solutions.

Experience

- next.js, react, web components, lit, stencil.js, 11ty, astro
- javascript, typescript, c#, python, shell scripting, functional programming
- SQL, GraphQL, REST APIs, sanity.io, contentful, headless cms
- html, css, scss, svg, styled components, emotion, css-in-js, vanilla extract.
- JAM stack, SSR, SSG, island architecture, SPA, PWA, MVC, MVVM, MV*
- AWS, lambda, microservices, ec2, elastic beanstalk, amplify, cognito
- git, SCM, agile methodologies, code review, scrum, best practices, mentorship
- unit testing, integration testing, jest, mocha, TDD, automation, puppet
- naming things, cache invalidation

Career Highlights

- Championed greater collaboration between Design and Development teams by establishing common practices, terminology and workflows between departments
- Designed and implemented a platform for building hybrid SSG/SSR JAM stack web applications
 - Enables familiar page-building paradigms within a more flexible structured content CMS (sanity.io)
 - Augments common CSS-in-JS frameworks with a set of composable utility functions
 - Maps deeply nested backend data to explicit TypeScript objects via recursive generic type definitions
- Built react/redux framework for dynamically building complex web forms defined via custom schema

Employment History

HZ Design Group		Principal Architect	Apr 2022 - May 2023
HZ Design Group		Senior Software Engineer	Feb 2020 - Apr 2022
Frederick Mutual Insurance		Senior Software Engineer	May 2019 - Jan 2020
Social Security Administration	contract	Developer	Jan 2019 - May 2019
DivyCloud	contract	Senior Software Engineer	Apr 2018 - Oct 2018
Washington Post	contract	Senior Software Engineer	Jan 2017 - Jan 2018
Independent Contractor		Instructor and Consultant	Jan 2016 - Jan 2017
Decisive Communications		Senior Software Engineer	Mar 2015 - Jan 2016
NGP VAN		Software Engineer	Jan 2014 - Feb 2015
Marriott	contract	Front End Developer	Feb 2013 - Dec 2013
Unison Inc	contract	Front End Developer	Nov 2012 - Feb 2013

Education

- BS in Computer Science *from Hood College in 2008*
- AS in Computer Science *from Frederick Community College in 2004*
- Certificates: ScrumMaster (CSA) in 2013, MCSE, A+, and Net+ in 2000