Adam Tolley ❯   ❯ Web Application Architect ❮   ❮ adam.tolley@gmail.com

❯ MVP ❮

This resume constitutes a minimal viable product of an eventually amazing webpage. Surely, as a resume for a seasoned engineer in the web development space, not just any webpage will suffice, but development time is in opposition to opportunity cost. Instead this plaintext document seeks to deliver 80% of that value in 20% of the time.

❯ Introduction ❮

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

My career spans nearly two decades of evolving trends and disciplines in the web development space. From CGI gateways to SPAs to JAM-Stack, I have seen the pendulum swing between client and server, UX and DX, semantic and presentational CSS. Throughout, I have been continuously impressed and inspired by the scope, complexity, and nuance inherent in developing software for the broadest possible audience.

I look forward to leveraging my learning thus far in new endeavors, whether they further my journey in web applications engineering or turn towards new languages and opportunities in computer science. I am driven forward by a passion for craft and a desire to learn every day.

❯ Character ❮

- I have loved programming since 7th Grade, when I learned BASIC from a math textbook and on an IBM 8088 (also I'm old)
- I have loved JavaScript since 2012, when I sat down with 'JavaScript, the Good Parts' to relearn the language
- I believe effective programming is a process of discovering the boundaries between innate and artificial complexity
- I believe that empathy, humility, and curiosity are as essential as knowledge, intelligence and experience
- I value diversity, equity, inclusivity and accessibility
- I vastly prefer solving difficult problems to completing repetitive tasks
- I really like bulleted lists (and parentheses)

❯ Education ❮

College Degrees
 - BS in Computer Science ~ Hood College, 2008
 - AS in Computer Science ~ Frederick Comm. College, 2004

Professional Certifications
 - Certified ScrumMaster (CSA) in 2013 (expired)
 - Microsoft MCSE certified in 2000 (super-expired)

❯ Selected Work Experience ❮

HZ Design Group ┬──────────────────────────────────────┤ Principal Architect ├───────────────────────┤ Apr 2022 - May 2023
                └──────────────────────────────────────┤ Senior Software Engineer ├───────────────────┤ Feb 2020 - Apr 2022

- Championed greater Design and Dev team collaboration, instituting common practices and terminology
- Building HZ Platform, a Hybrid SSG/SSR JAM stack solution based on next.js and custom TypeScript tooling which:
  - 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

Frederick Mutual Insurance ├───────────────────────────────────┤ Senior Software Engineer ├──────────────────────┤ May 2019 - Jan 2020

- Prototyped the front end architecture for a policy management product suite.
- Built custom React/Redux framework for dynamically creating deeply-nested, schema-defined web forms

Social Security Administration ├(contract)─────────────────────┤ Developer ├──────────────────────────────┤ Jan 2019 - May 2019

- Developed custom data transform and sync tooling to merge XLS based workflows with JSON toolchains
- Improved authoring of HTML/CSS correspondence templates with flex-box extensions to our CSS System

DivvyCloud ├───┤ Senior Software Engineer ├──────────────────┤ Apr 2018 - Oct 2018

- Researched and guided framework component upgrades for our main Python Flask and Angular stack
- Built an SVG gauge component using JavaScript and some math to vastly outperform existing wrapped d3.js library

Washington Post ├(contract)───────────────────────────────┤ Senior Software Engineer ├──────────────────┤ Jan 2017 - Jan 2018

- Collaborated on an Angular and Node SaaS platform for editing and tracking news stories
- Extended suite-wide, Bootstrap style system with specialized input components built in pure css/scss

Instructor and Consultant ├──────────────────────────────────┤ Independent Contractor ├───────────────────┤ Jan 2016 - Jan 2017

- Taught full-stack web development with a focus on client and server JavaScript frameworks

Decisive Communications ├──────────────────────────────────┤ Senior Software Engineer ├──────────────────┤ Mar 2015 - Jan 2016

- Modernized front-end architecture with AngularJs, Bootstrap, and SASS/SCSS toolchain

NGP VAN ├──┤ Software Engineer ├────────────────────────────┤ Jan 2014 - Feb 2015

- Developed in-house CSV record export system which increased export capacity by an order of magnitude

SocietyLab.org ├──┤ Founding Application Architect───────────────┤ Aug 2013 - Jun 2016

- Built custom Node, NeDb, Ng + D3.js web app to visualize articles as a force directed graph of connected topics

Marriott ├(contract)──────────────────────────────────────┤ Front End Developer ├──────────────────────────┤ Feb 2013 - Dec 2013

- Enhanced and maintained critical-path portions of the international reservations website
- Leveraged multivariate and interview-based user testing to define and verify development goals
- Worked closely with design team to ideate, prototype and execute UX concepts
- Assembled a collaborative, Node JS cloud-based toolchain to facilitate rapid UI/UX prototyping

Unison Inc ├(contract)────────────────────────────────────┤ Front End Developer ├──────────────────────────┤ Nov 2012 - Feb 2013

- Developed internal blog migration tool using Node.js, Express and Mocha
- Implemented responsive layouts from scratch, and with specialized frameworks

Applied Information Systems ├─────────────────────────────────┤ Software Engineer ├────────────────────────────┤ Sep 2010 - Nov 2012

- Collaborated on full stack architecture of a web-based print archive for Vogue and Playboy Magazines
- Championed adoption of modern and open web technologies amidst Microsoft-centric firm
- Introduced unit testing techniques to my team, providing leadership and guidance necessary to drive adoption

Metrico Wireless ├───────────────────────────────────────┤ Software Engineer ├────────────────────────────┤ Jul 2009 - Sep 2010

- Provided web development expertise, supporting our transition from desktop applications to online SaaS offerings
- Utilized unit tests, automated integration tests, and TDD to maintain full code coverage for existing products

Experient Inc ├──┤ Programmer Analyst ├───────────────────────────┤ Sep 2008 - Jul 2009

- Specialized in improving the CSS and XHTML aspects of our internal codebase

The IRIS Inc. ├──┤ IT Admin, Technical Researcher ├─────────────┤ Jun 2000 - Sep 2008

- Developed Java Computed Tomography simulations, exploring and testing a novel image acquisition technique