

Nick Thomas
Web Developer

Web developer specializing in TypeScript, secure web applications, and front-end architecture. Experienced in building open-source libraries, in-browser encryption systems, and automated testing tools.

CONTACT

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EDUCATION

The Evergreen State College
BS Computer Science

SKILLS

I focus on web programming with JavaScript — browser applications and scalable Node JS services.

LANGUAGES

Javascript
Typescript
CSS
HTML

TOOLS

git
npm
bash

SPECIALTIES

Front-end development
Mobile development
Node.js
Automated testing
Web components
Web cryptography

EXPERIENCE

WEB DEVELOPER

Substrate System
github.com/substrate-system
Jan 2024 – present

Substrate System is a collection of open source web components and other front-end Javascript modules.

- Creating and maintaining 100+ open-source front-end modules (web components, cryptography libraries, testing tools).
- Built a secure browser key-management library, enabling end-to-end encryption in client-side applications.

FRONT-END ENGINEER

Socket Supply Company
July 2022 – Jan 2023

Socket Supply Company was building a new runtime for Javascript, enabling peer-to-peer, cloudless communication.

- Implemented automated test suites across 3 production apps built on Socket Supply's new JS runtime.
- Collaborated with core runtime developers to debug and stabilize early-stage features.

LEAD JAVASCRIPT DEVELOPER

Planetary
November 2021 – Feb 2022

Planetary was developing a new social media application built on top of the Secure Scuttlebutt ecosystem.

- Designed and implemented a scalable, accessible architecture for Planetary's new social media platform.
- Introduced design system components that improved UX consistency across the app.
- Ensured WCAG 2.1 AA compliance, broadening accessibility.

JAVASCRIPT DEVELOPER, CONTRACT

Fission
October 2021 | Contract position

Fission was creating backend infrastructure based on IPFS, embracing things like end-to-end encryption, user-owned data, and local-first architecture.

- Developed a blog application with Fission's backend, showcasing end-to-end encryption and decentralized permissions.
- Delivered a production-ready MVP within a 4-week contract period.

JAVASCRIPT DEVELOPER

Invintus Media
June 2016 – Feb 2019

Invintus Media is a small team focused on publishing video content from several state legislatures. I worked on the client-side JS application, a React-based CMS for video content.

- Implemented a more efficient front-end architecture, improving UX for the client-facing video CMS.
- Enhanced UX for state legislature video archives, used by thousands of daily viewers.

FRONT-END DEVELOPER, CONTRACT

Fresh Consulting
Aug 2015 – Oct 2015

- Developed a Node JS backend for a new hardware device that audits local network security.
- Delivered multiple client websites.

WEB DEVELOPER

SlowClouds
March 2014 – Sept 2014

- Collaborated with the founder/designer to build the front-end for various local businesses' websites.
- Wrote PHP for the Wordpress backend that the agency used.

WEB PROGRAMMING INTERN

The Evergreen State College
June 2013 – March 2014

- Implemented a new registration system feature in PHP + SQL.
- Worked closely with staff developers to improve stability of essential web services.