

W. Jamie Vaughn

Software Engineer & React Developer

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Citizenship: USA

EXPERIENCE

Altana.ai - [Lead Front End Engineer](#) - Dec 2021 - Present

- Frontend Tech Lead directing implementation of Next.js dashboard w/ D3 Visualization of global supply chain data.
- Use React components & Zustand state management & deploy to AWS as a static site with cloudfront CDN
- Managed hiring & onboarding of junior frontend team members

Monroe Community College - [Lead Instructor of Front End Development](#) - Oct 2019 - Present

- Teach night classes on skills & tools for modern Frontend Developers from the basics to React w/ NoSQL Firebase database.
- Hired & trained T. A. 's to independently teach intro class.

PingThings.io - [Front End Engineer](#) - Oct 2020 - Oct 2021

- Visualize electric grid time series data w/ React, Redux, D3, canvas
- Used Websockets, GraphQL & columnar DB for real-time updates

Tattle Inc - [Front End Engineer](#) - Nov 2019 - Oct 2020

- Create D3 and Chart.js data visualizations & tables for a restaurant feedback React dashboard
- Develop Web Component survey widget using Stencil.js for collecting feedback data on 3rd party sites

Mad Collective - [Front End Developer](#) - Sept 2017 - Nov 2019

- Coded sales funnel template tool & subscription web apps w/ React
- Created embedded customer support tool for Zendesk call center agents using React & extended/maintained affiliate account portal

via **Upwork.com** - [Freelance Web Developer](#) - Dec 2016 - Nov 2018

- Use HTML/CSS/JS & jQuery to create clients' projects such as:
NR-Systems Ltd., addictionresource.com, customerdevlabs.com

NRG Home Solar - [Solar Site Analyst](#) - Nov 2015 - Aug 2016

- Model solar generation & system layout w/ Solmetric software.

Ambrell - [Applications Engineer](#) - May 2014 - Oct 2015

- Design induction heat treatment systems w/ Python & lab experiments

PROJECTS

MCC React Education Portal & LMS App: [monroecc.dev](#)

Mentoring Junior Developers into TAs/Instructors

Time Series Visualization Dashboard: [ni4ai.org](#)

Multi-Contributor Gatsby Blog: [blog.ni4ai.org](#)

NPM Modules: [ttl-redirect-survey](#) & [ttl-embed-survey](#)

Tech Documentation: [NPM Module Docs](#) & [gettattle.com](#)

Open Source Contribution: [stackedCards.js](#) library

Background Check App: [publicseek.com](#)

Affiliate Account Portal: [moaroffers.com](#) & [mad.io](#)

Personal Portfolio: [wjv.io](#), [wjv.io/portfolio](#), [wjv.io/log](#)

TECHNOLOGIES

Frontend: HTML/CSS, Javascript, Typescript, D3.js, Vite.js, Git, Web Components, REST, GraphQL

Frameworks: React, Next.js, Redux & Sagas, Zustand, Svelte, Solid.js, Stencil.js

Testing: Cypress, Puppeteer, Playwright, Vitest, Jest, React Testing Library

Server: Node.js, Express.js, AWS, Docker, NoSQL, SQL, Deno, Elixir, Github Actions

PROFESSIONAL CERTIFICATIONS

Monroe Community College:

- Front End Development, 2017

FreeCodeCamp.com Certification:

- Software Engineering, '16 - '17

EDUCATION

Rochester Institute of Technology, 2010-2012

- Finished course reqs. for M.S., Systems Engineering

Case Western Reserve University, 2004-2009

- B. S. Materials Engineering
- Fuel Cell Research Assistant, '05

INTERNSHIPS

Logos Energy, [Engineer](#), '08

- Fuel Cell Electrode Corrosion

General Electric, [Engineer](#), '07

- CVD Optical Coatings

