

# W. Jamie Vaughn

Software Engineer & React Developer

Jamie.Vaughn4@gmail.com

(585) 773-3268

Citizenship: USA

## EXPERIENCE

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**Altana.ai** - *Lead Front End Engineer* - Dec 2021 - now

- 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* - Oct 2019 - now

- 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

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**MCC React Education Portal & LMS App:** [monroecc.dev](http://monroecc.dev)

Mentoring Junior Developers into TAs/Instructors

**Time Series Visualization Dashboard:** [ni4ai.org](http://ni4ai.org)

**Multi-Contributor Gatsby Blog:** [blog.ni4ai.org](http://blog.ni4ai.org)

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

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

**Open Source Contribution:** [stackedCards.js](https://stackedCards.js) library

**Background Check App:** [publicseek.com](http://publicseek.com)

**Affiliate Account Portal:** [moaroffers.com](http://moaroffers.com) & [mad.io](http://mad.io)

**Personal Portfolio:** [wiv.io](http://wiv.io), [wiv.io/portfolio](http://wiv.io/portfolio), [wiv.io/blog](http://wiv.io/blog)

## TECHNOLOGIES

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

**Frameworks:** Svelte, React, Next.js, Redux, Zustand, 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

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**Monroe Community College:**

- Front End Development, 2017

**FreeCodeCamp.com Certification:**

- Software Engineering, '16 - '17

## EDUCATION

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**Rochester Institute of Technology**

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

**Case Western Reserve University**

- *B. S. Materials Engineering*

## INTERNSHIPS

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**Logos Energy, Engineer, '08**

- Fuel Cell Electrode Corrosion

**General Electric, Engineer, '07**

- CVD Optical Coatings

**Case Western R. U., Intern, '05**

- Fuel Cell Research Assistant