

Full-Stack Web Developer

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(willing to relocate)

Summary: Seasoned full-stack web developer, with 10+ years of experience (Twitch, Metromile, Tlon, Payit)

Looking for engineering, design, product, or management roles at fast-moving, high-performing teams, pursuing growth in a competitive market.

- **Engineering (web)**
- **Engineering (frontend)**
- **Engineering (graphics)**
- **Engineering (full-stack)**
- **UX Engineer (web, mobile-first)**
 - No native apps, like iOS apps, or Android apps
- **Styleguide developer (web)**
 - Storybook, Bootstrap, Material UI, etc.
- **Product management (web)**
 - Analytics, accessibility, UX, internationalization, and feature tracking
- **Technical product management (web)**
 - Delivery, SCRUM, SDLC, maintenance, JIRA tagging, Pagerduty, and triage escalation
- **Management (any)**

Can work independently and manage all areas of a tech stack, including hosting infrastructure, databases, APIs, user experience, and frontend code. Have interviewed and trained developers and built whole products from scratch.

Major Skills:

- **Web development** (HTML, CSS, and Javascript)
 - CMS, SEO, SEM, all those good keywords
 - Google Analytics, Pendo, & similar analytics products
 - Design, colors, layouts, shapes, templates, forms, contact pages, – mostly, users should be delighted
- **Advanced** web application, single-page application, server-side web application, cloud, devops, and web3 development
 - 7 years of **React/Typescript** experience
 - **Redux**, React Router, Remix, JSX, TSX, Tailwind, Bootstrap, CSS Grids, **any type of frontend tool**
 - 5 years of **Node.js**, **Python**, **Java**, and **C#** experience
 - **Microservices**, REST API, GraphQL, data engineering, Websockets, WebRTC, Server-side rendering
 - 3 years of **Devops**, **Continuous Integration**, **Git**, **Github**, and **SDLC** (software development lifecycle) experience
 - **Docker**, kubernetes, **AWS**, GCloud, **Azure**, CI/CD, Circle CI, Jenkins, **Webpack**, and other tools
 - 4 years of **SQL**, **MongoDB**, database design, reporting, analytics, etc. experience
 - Security, OWASP top 10, SSL configuration, input filtering, very basic measures
 - **9 years** of **product engineering**: user testing, browser testing, QA, release cycle management, **PM** experience
 - Internationalization / i18n, Localization, Decentralization / D14n, Accessibility (all W3C standards)
 - Scrum! Everything is Agile/Scrum. Master of Agile/Scrum methodology. #1 Agile/Scrum King

Experience:

2010-2025

- **Freelance**

- **Premier Parking (2010):** Web development
- **UNL Econ (2011):** Database analysis, research
- **Magnolia Metals (2011):** Web development
- **Nanonation (2011):** Software development, embedded apps
- **World Energy Project (2012):** Web development
- **Nelnet (2012):** Project management, software development, product design
- **State Studios (2012):** Project management, software development, product design
- **Don't Panic Labs (2012):** Startup founder, project management, software development, product design
- **VMWare (2013):** Software development
- **Gain Fitness (2014):** Consulting, web development
- **Simplifyy (2020):** Software development
- **iTek (2020):** IT support
- **Beauty for Ashes (2020):** IT support, on-prem network installation
- **Sourcetable (2021):** Software development
- **Futo.org (2021):** Software development
- **Greenshell.tech (2021):** Failed startup idea
- **12 Stones Tech (2022):** IT support
- **UIS-KC (2024):** Cloud engineering, devops, server maintenance
- **Carnegie Mellon University (2024):** Web design, development, project management for <https://naclo.org>
- **Canvas.xyz (2024):** Software development

- **Full-time**

- **LocBox (2013)**
- **Metromile (2015)**
- **Twitch (2016-2017)**
- **Urbit/Tlon (2017-2020)**
- **Simplifyy (2020)**
- **Sourcetable (2021)**
- **Greenshell.tech (2021)**
- **Paylt (2022-2023)**
- **Canvas (2024)**

- **PayIt** 2022-2023
 - **Accomplishments:** Not much.
 - **Toronto:** <https://pay.toronto.ca> -
 - **(Admin dashboard configuration tool)**
 - I did a bunch of stuff. Accessibility, internationalization, style guide management, code reviews, mentoring, cross-team collaboration, product planning, management coaching and consulting.
 - **Senior software engineering talent deficit***, **People management talent deficit*** made this role unsuccessful.
 - Mostly sit around in a corporate environment and wait for corporate office politics to resolve.
 - \$120,000 year salary, for “Software Engineer” title, denied “Senior” title for... - ?
 - They fired me for having autism - ?
 - Or being really good at web development - ?
- **Sourcetable** 2021
 - Did things
- **Simplify** 2020
 - Did things
- **Tlon Corporation - Senior Front-End Engineer, Team Lead** 2017-2019
 - **Accomplishments:** Not much
 - **Key skills:** Built a custom, full-featured Javascript deployment stack, using Gulp, Rollup, %hall, and Urbit's bespoke self-hosted operating system.
 - <https://github.com/urbit/kamaji>
 - **Mentored another intern**, which I'm proud of.
- **Twitch - Senior Front-End Engineer** 2016-2017
 - As an engineer for the Web Player team, I was responsible for rendering the video UI element for all streams / videos (including ads, video controls, playback, etc.), maintaining a responsive front-end architecture that integrated deeply with Twitch's real-time video ingest and ad streaming system.
 - Lead the development process for a sweeping redesign of Twitch's highest-trafficked view, the channel page (eg, twitch.tv/lirik), which touches 15 million daily active users. Coordinated development and product efforts with a team of 8 people and oversaw the development process through front-to-finish.
 - Helped Twitch transition from an Ember.js-based architecture to a React-based one, working with the Ember squad to adapt several teams and departments to the new framework.
 - **Mentored an intern who delivered a spectacular feature (miniature video overlay) which significantly increased Twitch's core product metric (Minutes Watched)**

Experience:

- **NACLO - Software Developer** Nov 2023+
 - Developed a new project from the ground up for NACLO, a national organization that holds a competition each year for high school & college students to practice skills in computational linguistics.
 - Replaced an old Perl-based system in Python/Flask, which is used to manage student registrations, register host sites, and publish competition results.
- **UIS-KC - Software Developer** Oct 2023
 - Helped a KC-based insurance company to fix their Azure / .NET apps experiencing several issues:
 - Reconstructed a test and deploy process for a 10+ year old app serving their insurance clients
 - Dependency upgrades & security audit for a pending 3rd party deprecation
 - Set them up with a new automated email provider, their existing one was broken
- **PayIt - Software Engineer** May 2022 - Aug 2023
 - I was a software engineer for PayIt, which deploys 50+ applications providing a web interface for paying property tax, citations, DMV services, and more for various state and local governments across North America.

- o Developed new features, improved infrastructure, and fixed bugs for the constituent-facing dashboard, as well as providing technical design and leadership for the internal systems PayIt uses to configure the fleet of white-label constituent apps.
- o Rebuilt a newly designed dashboard experience for constituents of several state/local governments, including the city of Toronto and state of North Carolina's DMV and Property Tax services alongside dozens of others.
- o Contributed several architectural improvements across client applications, researching and documenting several legacy systems (mostly in Javascript, some Java), enforcing Javascript standards across multiple teams and applications.
 - Tech lead on our product team's Pendo implementation, defining and implementing key product metrics to vastly ramp up our product team's ability to make data-driven decisions on the design and the direction of the product overall
 - Architected and built a sub-system for handling constituent documents, displaying various file formats, and authenticating access to said documents via third-party backend integrations
 - Was the primary frontend client contact on the city of Toronto's property tax service
- o React, Typescript, Node.js, Mongo, Java, Kubernetes, and Pendo were tools I used extensively.
- **Freelance** 2020-2021
 - o Took some time off from the tech world during covid to hunker down and spend some time with family. Over this time I kept busy with several projects and local companies in KC:
 - Worked with <https://12stonestech.com/> and <https://iteksg.com/> to do routine IT work for many local companies; building computers, setting up networking infrastructure, configuring workspaces, up to low-volt wiring of a residential complex for the <https://beautyforashes.com/> recovery program.
 - o Did work with a few startups; <https://sourcetable.com/>, <https://simplifly.com/> (currently down), <https://futo.org>
 - o See <https://cjohnson.io/> for a log of various other freelance projects I worked on during this time.
- **Tlon - Engineering Manager, Interface** 2017-2019
 - o I led Interface engineering at Tlon, a decentralized computing startup backed by a16z.
 - o Pioneered the first usable web application built on Tlon's proprietary decentralized (virtualized) OS. Delivered several iterations of the initial application's design, writing a greenfield Javascript build pipeline, state management framework, and bespoke CQRS api integration.
 - o Managed a team of 4 other developers building out features in the flagship web product, Landscape. Worked closely with the CEO and CTO to develop the product roadmap, release process, and track team progress via quarterly and yearly OKRs.
 - o Constructed several interactive marketing materials (similar to pitch decks), worked closely with designers and the CEO to create unique designs pushing the boundaries of web interaction.
 - o Created a greenfield set of frontend standards, a component styleguide, codified build and release processes, style documents, and other infrastructure to scale out client-side patterns in a quality-checked and reusable way for all app creators building on our platform.
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- **Metromile - Software Engineer** 2015
 - As a senior front-end engineer, I developed and maintained half a dozen applications (quote & enrollment application, admin tool, customer dashboard), interviewed and helped manage the front-end team, and coordinated with PMs, designers, marketing, the backend team, and accounting to design and manage projects
 - My key accomplishment was leading development efforts for a full application redesign for the quote & enroll process, completed on schedule (~2 months), with no major issues, and revamped the first entry point for new customers evaluating Metromile's insurance product.
 - During this time I became proficient in all the things expected of a senior engineer; handling deploys, enforcing code standards, doing a ton of interviews, and drafting up architectural improvements.
 - Wrote a lot of tests, including unit tests, integration tests, end-to-end tests using Selenium and BrowserStack, and hallway usability tests. Responsible for deploys, code quality, and final product quality.

- **Gain Fitness, Inc. - Software Developer** Fall 2014
 - Implemented Gain's web marketing presence from the ground up. Built several landing pages, user surveys, and worked with Gain's marketing team to implement a marketing campaign from scratch.
 - Architected and built Gain's personal trainer matching application, collecting user preferences from an in-depth form survey, storing them, and wrote an algorithm to match them with existing trainers
 - In addition, I designed and implemented the core Angular services used for conversion and onboarding.
 - **Technologies used:** Javascript (Angular 1), HTML, CSS, Rails, Mongo

- **LocBox, Inc. - Software Developer** 2013
 - My first job was a software engineer at a startup of 12 employees. Locbox required me to fill many different roles. While I spent most of my time as a front-end engineer, I wore several hats including product designer, project manager, backend engineer, and devops specialist. In this role I:
 - Converted most of our application from a Rails, form-based application to an EmberJS-powered app
 - Rewrote the marketing site to be fully responsive and communicate our message more clearly
 - Rewrote the internal analytics system using MongoDB to an event-based analytics system
 - Refactored a large codebase of CSS, JS, and HTML into a robust, well-architected codebase
 - Rewrote all front-end code (html, css, and js) to serve landing pages for our marketing campaigns
 - Required substantial attention to performance, accessibility, and cross-browser compatibility
 - Originated several new features based off of feedback from sales, support, and executive departments
 - **Technologies used:** Javascript (Ember), Ruby on Rails, Sinatra, Node.js, HTML/CSS, SASS