

> ABOUT ME

Senior Software Engineer with a proven track record of delivering features from concept to deployment. Skilled at translating product requirements into detailed technical proposals (RFCs), writing maintainable and observable code, and driving continuous improvement. Drives an ownership-driven culture where code is treated as craft and teams can ship fast

> LANGUAGES AND TECHNOLOGIES

- **Advanced:** *JavaScript, Typescript, React, Node.js, Nextjs, Cypress, Jest, HTML5, CSS3, Styled Components, Tailwind*
- **Proficient:** *CI/CD Linux deployments; Micro-frontend architectures, Redux, GraphQL, AWS (Lambda, S3, SES), Docker, Terraform, Github Actions, i18n, Supabase / Firebase*

> PROFESSIONAL EXPERIENCE

Independent Consulting Nov 2024 - Present

- Working directly with clients on requirement gathering and authoring PRDs, RFCs, and bootstrapping greenfield applications in Nextjs, Supabase, and CI/CD deployments through Vercel

CLEAR | Software Engineer II | New York, NY Oct 2020 - April 2024

- Built company’s flagship web identity verification product, used by 2MM+ users on platforms like LinkedIn, Avis, healthcare offices and The Home Depot; product now accounts for > 50% of new CLEAR enrollments
- Delivered features end-to-end, starting with requirement gathering at PRD-stage, writing RFCs, architecting full-stack, feature-flagged solutions that are A/B tested with targeted rollouts based on observability metrics
- Led frontend feature planning and architecture of front end of new application, including R&D on face capture within browsers, setting up analytics for the application and triaging issues with partner integrations
- Mentored junior engineers to promotions and demoed updates of application to tech org at end of each sprint
- Collaborated on cross-team dependencies, such as design systems, common libraries, linting configs, CI/CD practices and micro frontend architecture patterns

CLEAR | Software Engineer I | New York, NY Oct 2019 - Oct 2020

- Built reusable components for use throughout company site that are highly configurable from CMS, each supported by A/B testing to demonstrate increasingly higher signup conversions
- Architected a new enrollment flow that converges > 5 enrollment pathways onto 1 simplified experience

Vectorsurv Gateway | Software Engineer | Davis, CA Jan 2018 - Oct 2019

- Primary front end engineer, specializing in all data visualizations for all mosquito collections in United States
- Created maps for geospatial data with Mapbox SDK and build charts with *D3.js*
- These maps plot out *hundreds* to sometimes *thousands* of data points and allow them to rapidly change to user input with minimal latency. Any input also dynamically renders new charts with *shareable* URLs
- Visualizations fetch from RESTful endpoints on an *Express.js* server and *PostgreSQL* database
- Check these visualizations out at maps.vectorsurv.org -- I’m very proud of these!

Orphan Kitten Project | Software Engineer | Davis, CA Apr 2017-Aug 2017

- Designed and engineered 100% of JavaScript codebase for mobile responsive site using React, HTML5, CSS, upgrading from reliance strictly on Facebook and email to more robust online presence

> EDUCATION

Neuroscience Graduate Program, Icahn School of Medicine at Mount Sinai
B.S. Neurobiology, Macalester College

> SIDE PROJECTS

Export SVG with Styles | NPM Package Author | [live](#) | [code](#) 2019

Export an SVG element on the page to a PNG image, maintaining its CSS styles along the way

- Most SVG extraction solutions miss out on custom styles -- this npm package accepts customization and generates a fully styled png from your d3 chart (or whatever SVG you have!) as it exists in your browser

> AWARDS

Hackathon winner: Live visualization of CLEAR airport verifications, *CLEAR Internal Hackathon* Fall 2019
Hackathon winner: best use of Amazon tech, *AWS AngelHack* Fall 2017