

JOHN NEVIN

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PROFILE

I'm a software engineer in Chicago, proficient in JavaScript/Node.js, TDD, PostgreSQL, React, CSS, Webpack, and Agile Development. My favorite project, Gather, is a video conferencing app extended with machine learning.

SKILLS

- **Programming:** JavaScript, JSX
- **Back-End:** Node, APIs, REST
- **Database:** Postgres, Sequelize ORM
- **Framework:** Express, Mocha, Chai, Jasmine
- **Front-End:** React/Redux, HTML, CSS, Webpack
- **Cloud:** Heroku

PROJECTS

Gather (*JavaScript, Typescript, React, TensorFlow, Twilio Video JS SDK, Firebase, Node.js, WebRTC*) [live](#) / [github](#)
Gather is a video conferencing app that uses machine learning to remove your background/create a green screen.

- Integrated a machine learning model with a modified script. The model is fed to the canvas 2D API to map the users' video and make their background opaque (via the script). Added a custom backdrop for a "virtual green screen."
- Produced draggable video windows through a react library, then implemented a firebase back-end to track positioning data of multiple user streams, using JSON format, and keep them updated across multiple screens.

The Plant Store (*JavaScript, React, Redux, Express.js, PostgreSQL, Node.js,, HTML/CSS, Webpack*) [live](#) / [github](#)
Ecommerce website for buying plants, built with the NERD stack, transactions through stripe, deployed using Heroku.

- Designed database schema, built RESTful routes, and front-end single product view and admin page.
- Integrated Stripe payment API, and styled all front-end components with Ant Design.

Twitter News (*JavaScript, React, Express.js, Twit, Enzyme, Webpack, Node.js, HTML/CSS, Docker*) *N/D* / [github](#)
Twitter companion for searching trending topics in your area.

- Employed third party twitter API to consume data, and express to handle routing it.
- Created React GUI, and dockerfile to separate my app from infrastructure.

EMPLOYMENT

IRL Electric *Electrician* 08/17-07/19

- Worked with GC on goals/modifications, client with specifications, layout with team.
- Diagnose issues, troubleshoot and install electrical systems. Coordinate with inspectors, according to code.

Blackthorn Pub *General Manager* 05/15-11/17

- Oversaw 15 employees, day to day management, expenses, and clientele needs.
- Increased revenue by 40k through inventory control, advertising and negotiating with vendors.

EDUCATION

Fullstack Academy, Chicago, IL 03/20-6/20
Certificate in Software Engineering

- 17-Week full stack JavaScript web development immersive.

University of Illinois at Urbana-Champaign, Champaign, IL 08/10-12/13
Coursework in Econ, PS and Comm.

INTERESTS

Machine Learning, 20th Century Lit/Sci-fi, Chicago Sports.