Patrick Weaver

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EXPERIENCE

BookNook

Remote

Engineering Lead   **July 2023 – Present**

- As Engineering Lead (a hybrid management and tech lead role) I managed a team of 3 engineers.
- I collaborated with senior colleagues to plan, scope, and deliver features for an education platform for synchronous tutoring that supported over 6000 simultaneous student tutoring sessions.
- Led planning and development for a schedule management system for users to book appointments.
- Managed dependency updates, including migrating several codebases from Node 14 to 20 within 12 months, and security and privacy enhancements.
- Represented the engineering team on a SOC 2 Type 2 audit.

Senior Software Engineer & Tech Lead   **September 2022 – July 2023**

- Led a scrum team in collaboratively making and documenting technical decisions, improved planning and scoping processes which resulted in normalizing sprint velocity.
- Prototyped, then released to engineering department, API standardization and versioning conventions.
- Led development of reporting features that increased focus on privacy. Designed systems that made it easy for future work to protect student data and PII.
- Mentored a team member in leading the kickoff of an ongoing TypeScript migration.

Senior Software Engineer   **January 2021 – September 2022**

- Contributed to a React frontend client, a React component library, a Node.js API, with a Postgres database, and real time sync with Firestore.
- Focused on building and scaling features for our state level and large district clients of over 500 schools, codebase modernization, and reporting features.
- Led implementation of various security updates including extensive authentication and authorization updates, remediated vulnerabilities discovered through an external pentest.
- Conducted technical and behavioral interviews, mentored new hires, and created onboarding materials to help grow the engineering team from 4 to 25 people.

Mouse

New York, NY

Software Engineer, Learning Design   **July 2018 – July 2020**

- Built and contributed to full stack and frontend web applications including:
    - React and Vue.js frontends for student and teacher facing curriculum platforms.
    - Ruby on Rails analytics platform that compiled user and school based metrics, and adhered to strict privacy guidelines required by COPPA compliance.
    - Various apps that paired with curriculum for subjects such as encryption, game design, and chatbot design.
- Containerized apps for deployment with Docker. Managed Linux servers and cloud deployments.

Learning Design Manager   **July 2015 – June 2018**

- <u>January 2017 – June 2018</u>: *Software Development and Technical Curriculum Development*
    - Wrote and edited curriculum for teaching coding, electronics, web literacy, and design.
- <u>July 2015 – December 2016</u>: *Program Management and Technical Curriculum Development*
    - Supervised a team working with 300 schools. Supported hiring and onboardings.

Learning Network Coordinator   **September 2014 – July 2015**
- Trained students and teachers across the Mouse network of 300 schools on STEM curriculum.

HIVE NYC/PASE
New York, NY
Webmaker Trainer   **January 2014 – June 2015**
- Worked with after school program sites to create websites using Mozilla Tools and trained site staff.

Freelance Web Development   2020, 2013 – 2016

Phone Booth Press
Cofounder   **2010 – 2015**
- Ran a small press and published books and print sets.

NOTABLE WEB PROJECTS

A Blog Post With Every HTML Element   https://www.patrickweaver.net/blog
- This project was inspired by learning more about web accessibility, and a desire to learn more about what features I could implement with HTML instead of JS. It became a research project about HTML, where to use every element in the post I had to learn about their semantics and implementation.

Record Player   record-player.glitch.me, github.com/patrickweaver/record-player
- A computer vision enabled app that combines the Google and Spotify APIs to identify albums from a photo of an album cover. "New App Is Basically Shazam for Album Covers" - Pitchfork

SKILLS

Technology: *Current expertise:* JavaScript, Node.js, React, Typescript, HTML, CSS, Postgresql, SQL, Git
                Past experience: Vue, Ruby on Rails, Python, Django, Docker, MySQL
                Some familiarity: Go, Rust, Swift, SwiftUI, SQLite, Lua
Language: Bilingual in English and Spanish

EDUCATION

Recurse Center
New York, NY (Remote)
Participant   **Fall 2020**
- Participated in a 12 week batch and focused on building a real-time map of the NYC subway system.

University of California, Santa Cruz
Santa Cruz, CA
Bachelor of Arts Degree
- Double Major: Language Studies (Linguistics) and Modern Literature