

William Ley

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Full stack software engineer with a passion for building community and improving communication through technology. I enjoy complex problems and bugs that traverse systems and the experiences generated by the healthy debate around their solutions.

Professional Experience

Full Stack Engineer, Remote

Teampay

November 2021 - Present

Fintech providing spend management and accounting controls

Core tech stack: React, Redux, JS, TS, Django, DRF, PostgreSQL

- Feature Lead for multi-line purchase order feature determining UX, UI, business requirements, and schema and model requirements with product, designers, and engineers.
- Championed front-end transition from JavaScript to Typescript and mentored engineers at all levels through the transition for a faster and more resilient code base
- Developed features such as direct reimbursements, refactor request UX, Microsoft Teams integration, and refactor and expansion of user off-boarding process

Full Stack Engineer, Remote

Upside Business Travel

May 2020 - August 2021

Core tech stack: React, Redux, JS, TS, Express, PostgreSQL, MongoDB

- Collaborated in a 100% remote environment using 100+ microservices with 80% of merged code shipped to production in 72 hours
- Engineered features such as one way rental cars and negotiated corporate rates for hotels across multiple microservices
- Led significant refactor of the booking service and integration with multiple third-party travel APIs
- Led a company wide diversity, equity, and inclusion workshop as a member of the DEI team

Software Engineering Coach, Washington, DC

Flatiron School

October 2018 - September 2019

- Taught, built, and modified existing curriculum for Ruby, Sinatra, Ruby on Rails, JavaScript, React, and Redux for seven cohorts
- Collaborated in code-based marketing events and research for small engineering team projects

Technical Theater Director, Washington, DC

Georgetown Day School

September 2007 - July 2018

- Supervised all aspects of design and production of lighting, costumes, sound, rigging, and scenic pieces for three main-stage shows a year involving one third of the student population under tight deadlines

Diversity, Equity, and Inclusion Teacher, Washington, DC

Georgetown Day School

September 2007 - July 2018

- Facilitated in a year long course with in depth social justice discussions around subjects such as race, religion, sexual orientation, gender, and socioeconomic status

Technical Skills

React	TypeScript	Python	HTML5	Git	<u>Learning</u>
Redux	JavaScript	Django	CSS	Figma	Rust
RTK	Node.js	Pytest	CSS-in-JS	Jira	Lua
Thunk	Express	Ruby	CSS Grid	RESTful	
Sagas	Enzyme	Ruby on Rails	PostgreSQL	MapBoxGL	
Jest	Mocha	Rspec	SQL	VectorWorks	

Side Projects and Open Source Contributions

Village Book Builders - [Website](#)

Non-profit changing people's lives through building libraries, community, and mentorship across the world.

- Volunteered as a Full Stack Engineer extracting their frontend code from their monolith
- Mentored newer engineers to the project
- Helped architect the separation of the monolith into two repos

Fantasy Baseball App - [Owner Demo](#) | [Admin Demo](#) | [Round Robin Demo](#)

Custom built fantasy baseball site for the Coquie Baseball League.

- Ongoing support and feature expansion for over 3 years
- Create admin season management UI for end user autonomy
- Built user managed players, roster, scoring, and trading UI
- Live and Async Round Robin for start of season picks and trading using Socket.io
- Built Front and Backend services using TypeScript (React and NodeJS) and Postgres

Amethyst - [Pull Request](#)

Open source window tile manager

- Created a default settings file for the project with all defaults and explanations about each setting

WeRHere - [GitHub](#)

Progressive web app for people experiencing homelessness. It provides maps for shelters, medical service, and healthy food locations across the District of Columbia.

- Integrates 14 DC.gov Open Data APIs to put key city resources for people experiencing homelessness on a single platform
- Is network independent after the user's initial visit
- Built with MapBoxGL to pinpoint where each service is located

Education

Flatiron School, Washington, DC
Software Engineering Program

National Diversity Directors Institute

NAIS Diversity Leadership Institute

Boston University, Boston, Massachusetts
Bachelor of Arts: English