

# MAXIM PEKARSKY

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## WORK EXPERIENCE

**TWO LINES LLC – Freelance Software Engineer** – remote & New York, NY

Feb 2021 – present

Center for Active Stewardship

- Designed and developed a complete front end for a data portal with millions of rows of financial and regulatory data.
- Engineered a robust UI with dynamic visualizations and custom table controls on top of multiple rapidly evolving data sources. Collaborated with data and back-end engineers to finalize the API and data shape and through caching, virtualization, and intuitive filtering on top of a custom query language. (React/Next.js, TypeScript, Tailwind)

CoverbaseAI, Macro.com

- Developed core UI components and rewrote MUI components in React and RadixUI. (Next.js, Solid.js, TypeScript)
- Designed and developed video integration in AI-powered markdown and canvas components.

ExecuteProgram.com (Gary Bernhardt / Destroy All Software)

- Expanded component library, built out nav and sidebar. Authored 300+ exercises on TypeScript, Python, RegEx, SQL.

Typerfast.com, Gem.fm, TinyLogger.com, Hackterms.com

- Built, monetized, and operate an adaptive, AI-powered [touch-typing app](#) with hundreds of active users. (Node, React)
- Implemented logic to query multiple [podcast APIs](#), normalize, and reconcile data. Built a multi-step cache reducing First Contentful Paint for thousands of episodes from over 10 seconds to under 1 second. (Rails, Redux, PostgreSQL)
- Developed and operate a minimal [blogging platform](#) and programming [dictionary](#) for thousands of active users.

StackOverflow.com

- Researched and published articles for StackOverflow [blog](#) on WebSockets, FE frameworks, web graphics, clean code.

**BONUS.LY – Software Engineer II**

Jul 2019 – Jul 2021

Software Engineer II – remote

- Promoted to a new team to develop Bonusly's second product, enabling 800+ users to design and conduct surveys.
- Responsible for the full dev lifecycle of core full-stack features including cross-app authentication, question templates, daily cron jobs, survey dashboard, fundamental design components. (Rails, React, TypeScript, GraphQL)
- Pioneered the use of integration testing with Cypress.js; developed initial tests, documented process, educated team.
- Led several cross-functional initiatives including product demos, standardized code review, company hackathons.

Software Engineer I – Boulder, CO

- Developed SFTP integrations for HR tools, expanded Rails API endpoints to provide secure, sanitized user data.
- Refactored legacy Backbone/HAML components in React 18, TypeScript, and GraphQL.

**NYC MAYOR'S OFFICE – Software Engineering Apprentice** – New York, NY

Mar 2018 – Sep 2018

- Developed neighborhood-level analytics dashboard enabling analysis of 8000+ monthly user surveys. (Node.js, Vue)
- Helped develop 2 NYC.gov apps by fixing front-end bugs, updating, and documenting 20+ WordPress plugins.

**CODECADEMY – Product Management and Operations** – New York, NY

Dec 2015 – Jul 2017

- Led development on a project review and tutor scheduling tools for 2000+ paid users, resulting in 250% NPS increase.
- Built communication and reporting tools for a team of 120+ tutors supporting 10K+ monthly paying learners.

## TECHNICAL SKILLS

Front end: JavaScript, TypeScript, React 18+, Next.js, Tailwind, radix, styled-components, Storybook, Redux, Cypress.js.

Back end & data: Node.js, Express, Ruby on Rails, Python, Java, PostgreSQL, MongoDB, Apollo/GraphQL, WebSockets.

## EDUCATION

**Binghamton University** Financial Economics, Music Composition

BS, cum laude, 2012

**Recurse Center** programming retreat fellow (focused on compilers, Rust, React, three.js)

2019