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, developed, and deployed a complete front end for a data portal enabling asset managers to query and visualize millions of rows of financial and regulatory data. *(React/Next.js, TypeScript, Tailwind)*
- 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 API and data shape through caching, virtualization, and intuitive filtering, sorting, and toggling.

ExecuteProgram.com (Gary Bernhardt / Destroy All Software)
- Developed and tested core UI components (navbar, buttons, reference sidebar). Identified and resolved visual bugs.
- Authored 200+ exercises and 10+ of lessons on *TypeScript*, *JavaScript*, *Python*, *RegEx*, and *SQL*.

StackOverflow.com
- Researched and published articles for StackOverflow blog on *WebSockets*, FE frameworks, web graphics, clean code.

Gem.fm, TinyLogger.com, Hackterms.com
- 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*)
- Designed and developed a minimal blogging platform, programming dictionary for 1000+ active users. *(Node, React)*

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 analytics dashboard using data from the Google Analytics API and CSV survey results, enabling the team to analyze 8000+ monthly user surveys. *(Node.js, Vue, MongoDB)*
- 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, 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