

CHRIS KIRK SOFTWARE ENGINEER

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cperkyk

As a software leader with a decade of experience, I've worked across a wide variety of problem spaces and technologies, playing critical roles in high-profile projects. My passion is building innovative products and world-class engineering teams.

EXPERIENCE

Peloton

Engineering Manager

Feb. 2021 – Present | New York City | Full time

- Leads a backend engineering team responsible for the content search and discovery experiences serving Peloton's 7 million members, balancing the interests of dozens of stakeholders from across the company, including partners in Product, Marketing, Production, and Engineering, with a focus on maximizing business value
- Trains, coaches, mentors, and supports a hybrid team of 11 direct reports ranging from junior to staff level, defining processes, policies, and support structures
- Oversees a long-running effort to migrate hundreds of endpoints from a Python monolith to event-driven microservices fronted by a GraphQL gateway
- Led of a cross-functional project team of 15 engineers to deliver a suite of successful new features, such as [Movements and Body Activity](#), that improved the workout experience for Peloton members
- Established a standardized recruitment process for all backend teams, allowing them to hire quickly and effectively
- Drove significant improvements to the engineering onboarding experience, shortening the path to productivity for new hires across all product backend teams
- Successfully drove an effort to define team ownership over several hundred services, allowing Peloton to maintain operational excellence as it scaled

Lifion by ADP

Lead Platform Engineer

2018 – 2021 | New York City | Full time

- As functional lead of a team of eight engineers responsible for Lifion's sophisticated client management system, organized project work, set architectural direction, and worked closely with product stakeholders
- Mentored other engineers and gave technical presentations weekly
- Designed and implemented a new federated GraphQL API, backed by TypeScript microservices
- Reworked outdated domain models and systems with a focus on test-driven development, multi-paradigm programming, and domain-driven design
- Successfully led a team of developers to deliver a new data processing tool under a critical deadline

New York Magazine

Senior Full-Stack Engineer

2016 – 2018 | New York City | Full time

- Spearheaded the full-stack engineering of The Cut's [homepage redesign](#), including the Node microservice that populates homepages with content based on editorial specifications
- Designed a dynamic client-side JavaScript dependency analysis and bundling system, shrinking response payloads on article pages up to 18 percent globally
- Contributed to the in-house, Vue-based content-management system and page editor
- Built [The Year In Memes](#), a National Magazine Award finalist

Slate.com

Lead News Apps Engineer

2012 – 2016 | New York City | Full time

- Built interactive visualizations, widgets, and games using Node and React
- Developed apps that told important stories about [gun violence](#), [dark money](#), and [gentrification](#)
- Produced some of Slate's most recognizable work, including the [Game of Thrones Graveyard](#) and the [Outrage Calendar](#), a National Magazine Award finalist
- Developed games, such as the [Gerrymander Jigsaw Puzzle](#) and the [Starbucks Quiz](#), as well as a production platform for creating [audio](#) and [video](#) quizzes
- Built Slate's [Gun Deaths](#) project, featured on NPR, MSNBC, and *The Daily Show*
- Built a desktop email client and chronicled the project in a [long-form essay](#)
- Managed a junior engineer and three interns
- Broke Slate's all-time traffic record with the "[Travoltify Your Name](#)" generator

City University of New York

Adjunct Lecturer

2015 – 2016 | New York City | Part time

Taught data journalism, HTML, JavaScript, and R to graduate students with my own coursework

Yahoo!

New Media Intern

Summer 2010, Summer 2011 | Sunnyvale | Full time

Evaluated geoparsing software for a new hyperlocal news product

EDUCATION



Northwestern University

Graduated March 2012

Magna Cum Laude

- ☒ Bachelor of Science in Journalism
- ☒ Double major in Political Science
- ☒ Completed coursework on interactive journalism and computer programming
- ☒ Served three years on the *Daily Northwestern* in various editorial, creative, and managerial roles

SKILLS

JavaScript	RxJS	Webpack
TypeScript	Streams	Browserify
Node	Jest/Mocha	Git
GraphQL	Express	Grunt/Gulp
Apollo	Kinesis	Handlebars
React	Vue	MySQL
Redux	Docker	MongoDB
React Native	Knex	SASS
Kubernetes	jQuery	AWS
Terraform	D3	Python
Elasticsearch	TypeORM	Golang
DataDog	Babel	R

RECOGNITION

- Finalist, Multimedia Feature, National Magazine Awards 2017
- Best Single-Topic News or Feature, Education Writers Association, 2016
- Finalist, Multimedia Feature, National Magazine Awards 2015
- 1st Place, Multimedia Feature, Associated Collegiate Press 2011
- 1st Place, Photo Essay in a Daily Newspaper, Ill. College Press Assoc. 2010