

CHRIS KIRK SOFTWARE ENGINEER

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cperryk

As a software engineer with a decade of experience, I've worked across a variety of problem spaces on teams large and small, playing critical roles in high-profile projects. My passion is building world-class engineering teams.

EXPERIENCE

Peloton

Engineering Manager

2021 – Present | New York City | Full time

- As engineering lead of a cross-functional scrum team of 15 engineers, manages initiatives to enhance the Peloton's in-class experience, facilitating collaboration, removing impediments, and negotiating priorities with Product stakeholders
- As co-manager of a functional team of 10 API engineers, drives software quality initiatives, refines interview practices, negotiates personnel assignments, and defines team policies and processes
- Plays a key role in decisionmaking around hiring and leveling
- Coaches four direct reports up to staff level
- Successfully drove an effort to split the department's massive on-call rotation into multiple smaller rotations

Lifion by ADP

Lead Platform Engineer

2018 – 2021 | New York City | Full time

- As functional lead of a team of eight engineers, organized project work, set architectural direction, and represented the team to stakeholders
- Mentored other engineers and gave technical presentations weekly
- Designed and implemented a new federated GraphQL API, backed by TypeScript microservices
- Iterated on a sophisticated product delivery system, working closely with product owners, designers, and end users in an Agile process

- Reworked outdated domain models and systems with a focus on test-driven development, multi-paradigm programming, and domain-driven design
- Successfully delivered a critical data processing tool under a strict deadline, leading a team of developers to iterate on it

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](#)
- Single-handedly built a Node microservice to fill homepages with content based on editors' configurations
- Helped introduce event streaming with Kafka
- Designed a dynamic client-side JS dependency analysis and bundling system, reducing response payloads on article pages up to 18 percent
- Contributed to the in-house content platform and its Vue-based page editor
- Built [The Year In Memes](#), a National Magazine Award finalist
- Wrote a data migration tool to transfer thousands of assets across content verticals
- Contributed to Python, GoLang, Java, and Scala systems
- Oversaw major Elasticsearch and Mongo upgrades

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 [Outrage Calendar](#), a National Magazine Award finalist
- Developed games, such as the [Gerrymander Jigsaw Puzzle](#), [Friday News Quiz](#), [Electoral Map Quiz](#), and [Starbucks Quiz](#)
- Built Slate's [Gun Deaths](#) project, featured on NPR, MSNBC, and The Daily Show
- Architected a dynamic quizzing platform for producing [audio](#) and [video](#) quizzes
- Crafted a Node-based desktop email client and chronicled my effort 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

Pittsburgh Post-Gazette

News Apps Intern

Fall 2011 | Pittsburgh | Full time

Engineered news apps, including an [interactive timeline](#) of the Penn State scandal

Yahoo!

New Media Intern

Summer 2010, Summer 2011 | Sunnyvale, CA | Full time

Evaluated geoparsing software crucial to product strategy

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