

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 project team of 15 engineers, led successful initiatives to enhance Peloton's workout experience, facilitating collaboration and removing impediments
- As manager of a functional team of 10 backend engineers responsible for the core APIs powering the Peloton member experience, defines team policies, processes, and priorities, negotiating with dozens of stakeholders from across the company, including product, marketing, and engineering leadership
- Directly manages engineers ranging from junior to staff level, including hybrid and remote workers, full-timers and contractors
- Established a standardized recruitment pipeline, allowing engineering teams to hire quickly and effectively
- Successfully drove an effort to split the API department's massive on-call rotation into smaller rotations and define team ownership over several hundred services

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- Reworked outdated domain models and systems with a focus on test-driven development, multi-paradigm programming, and domain-driven design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 led a team of developers to deliver a critical data processing tool under a strict 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](#)
- Single-handedly built a Node microservice to fill homepages with content based on editors' configurations
- 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

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](#), as well as a platform to produce [audio](#) and [video](#) quizzes
- Built Slate's [Gun Deaths](#) project, featured on NPR, MSNBC, and The Daily Show
- 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

Yahoo!

New Media Intern

Summer 2010, Summer 2011 | Sunnyvale, CA | 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