# CHRIS-KIRK SOFTWARE ENGINEER

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 cperryk

I'm a software engineer with a decade of experience. I've worked across a variety of problem spaces on teams both large and small, playing critical roles in high-profile projects. My mission is to find the elegant solution in every complex problem.

## EXPERIENCE

### Lifion by ADP
**Senior Platform Engineer**
2018 – Present | New York City | Full time

- Designed and implemented a new GraphQL API, backed by TypeScript microservices running in Kubernetes clusters
- Created an API gateway exposing a unified data graph with schema stitching and Apollo Federation
- Lead my team's adoption of TypeScript and GraphQL and consulted for other teams
- Augmented the Lifion platform to support integrations with GraphQL APIs
- Built a sophisticated task management system for implementing new clients, working closely with product owners, designers, and end users in a Scrum process
- Mentored junior devs and gives technical presentations monthly
- Played a key role architecting a critical data processing tool under a tight deadline and leading a team of developers to iterate on it
- Rethought domain models and rebuilt legacy systems, with a focus on test-driven development, multi-paradigm programming, and domain-driven design
- Developed a new end-to-end testing tool in TypeScript

### 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 stream-based Node microservice responsible for generating homepages with ElasticSearch
- 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 sites
- Contributed to Python, GoLang, Java, and Scala systems
- Oversaw major Elasticsearch and Mongo upgrades

### Slate.com
**News Apps Engineer**
2012 - 2016 | New York City | Full time

- Coded full-stack in JavaScript, using Express and React to make interactive data visualizations, games, and news apps
- Built apps that told important stories about gun violence, dark money, and gentrificaton
- Produced some of Slate's most recognizable work, including the Game of Thrones Graveyard and Middle East Friendship Chart
- Developed news 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.
- Engineered the Outrage Calendar, a National Magazine Award finalist
- 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 piece
- Managed a junior interactives developer and three interactives 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

### Freelance Web Development
2007 – 2014 | Part time
Made websites for small businesses, including a national eyeglass repair franchise

### 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

### Evanston Now
**News Reporting Intern**
Summer 2010 | Evanston, IL | Full time
Covered city council and crime, producing 63 stories, including 11 video stories

## EDUCATION

### Northwestern University
Graduated March 2012
*Magna Cum Laude*

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

## SKILLS

| | | |
|---|---|---|
| Javascript | Jest/Mocha | Browserify |
| TypeScript | Express | Git |
| Node | Kinesis | Grunt/Gulp |
| GraphQL | Vue | Handlebars |
| Apollo | Docker | MySQL |
| React | Knex | MongoDB |
| Redux | jQuery | SASS |
| React Native | D3 | HTML Canvas |
| Kubernetes | Sequelize | AWS |
| Elasticsearch | TypeORM | Python |
| RxJS | Babel | Golang |
| Streams | Webpack | 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