CHRIS KIRK SOFTWARE ENGINEER

cperryk@gmail.com
chrispkirk.com
○ 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 passion is finding the elegant solution hiding in every complex problem.

EXPERIENCE

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

- Designs and implements 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
- Leads my team's adoption of TypeScript and GraphQL and consults for other teams
- Iterates on a sophisticated product delivery system, working closely with product owners, designers, and end users in a Scrum process
- Rethinks domain models and rebuilds legacy systems, with a focus on test-driven development, multi-paradigm programming, and domain-driven design
- Mentors junior devs and gives technical presentations monthly
- Augmented the Lifion platform to support integrations with GraphQL APIs
- Played a key role architecting a critical data processing tool under a tight deadline and leading a team of developers to iterate on it
- 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, Express, React, and MySQL to make interactive visualizations, games, maps, 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

Built websites and apps for large and small businesses, including Sony Music

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

Reported on 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