

New York, NY
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Joel Kaplan

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Technical Skills

Certifications: Red Hat Certified Specialist in OpenShift Application Development (ID 200-166-122) Exp. 11/23

Frontend: JavaScript | React | Redux | TypeScript | HTML | CSS | CSS Modules | Webpack

Backend: Node.js | PHP | Python | Go | MySQL | MongoDB | PostgreSQL | Cassandra

Infrastructure & DevOps: Kubernetes | OpenShift | Terraform | Ansible | Tekton | Istio | ArgoCD | Akamai

Work Experience

IBM

Software Engineer, Office of the CIO

2019 -

- Increase production deployment cadence 2x by containerizing and deploying team's customer facing applications using Docker, Kubernetes and HAProxy
- ~1 month into role built front and backend for search feature (JavaScript, PHP, MySQL) supporting interactive and complex SQL queries for a DNS management application
- Improve application observability using performance testing tools (flame graph) for Node.js redirect engine handling millions of hits per day for IBM.com
- Build full-stack web applications including Surfboard, an IBM internal GDPR compliance tool maintaining page inventory (numbering in the millions) across IBM.com
- Participate in on-call rotation resolving issues in production for IBM.com infrastructure

Software Engineer, OpenShift Deployment Team

- Rapidly (~3 weeks) built and deployed a fraud detection microservice using React, Redux and Apache Kafka deployed on Kubernetes
- Architect CI/CD pipelines with Istio, Tekton, and ArgoCD, and publish [widely used guide to CI/CD and automated canary rollouts on OpenShift](#)
- Use Terraform, Ansible and Python to automate enterprise Kubernetes installations on various cloud platforms, saving developers 1000s of hours of provisioning effort
- Work with experienced software architects to design and install Red Hat OpenShift clusters for a highly secure insurance company client in an air gapped environment

Hack Reactor

2019

Software Engineering Immersive Resident

- Lecture students on JavaScript fundamentals, system design, and algorithms; provide technical expertise to students studying React, Redux, Node.js, Express, MongoDB, and other technologies
- Evaluate technical aptitude of applicants to Software Engineering Immersive program

The Rosen Law Firm

2014-2019

Portfolio Analyst

- Develop portfolio analysis tool in Python to analyze pension fund client portfolios, reducing burden on paralegal team by 100s of hours per year
 - Oversee final design for portfolio monitoring software; launch client-facing app
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Education

Hack Reactor Advanced Software Engineering Immersive

The Honors College at the City University of New York, B.A., Philosophy