

# Dima Kurilo

## Senior Software Engineer

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GitHub profile: <https://github.com/DKurilo/>

StackOverflow profile: <https://stackoverflow.com/users/1578857/dima-kurilo>

LinkedIn profile: <https://www.linkedin.com/in/dkurilo/>

HackerRank profile: <https://www.hackerrank.com/dkurilo>

### *I can:*

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JavaScript / TypeScript	Haskell
Terraform / Kubernetes / Helm	GraphQL / Apollo GraphQL server
CircleCI / GitHub / TravisCI / Jenkins	MySQL / MongoDB
Docker	some experience with Kafka
Python AWS (EKS, EC2, Lambdas and other) / Google	number of other programming languages
Cloud Platform	prefer functional programming approach

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## *Professional Experience*

**Senior Software Engineer / Backend Engineer** 03/2020 - now

Patch.com, New York, [<https://patch.com/>]

### *Responsibilities*

- patch.com new version developing
- system architecture development
- CI/CD development (CircleCI)
- DevOps: configuring systems with Terraform, Kubernetes (AWS EKS), docker, Helm
- Dev tools development
- Legacy system support

### *Tech Stack*

- JavaScript / TypeScript
- AWS: Lambda, EC2, EKS, etc
- Fastly
- Auth0
- MySQL / MongoDB
- Terraform / Kubernetes / Helm / docker
- CircleCI / GitHub / Jira / Confluence
- Google Cloud Platform: BigQuery, Functions, Pub/Sub, etc

### *Achievements*

- described part of infrastructure in Terraform
- started EKS k8s, built Helm charts for some services and set up CI/CD
- developed and set up Data Warehouse (GCP BigQuery based) load system
- developed DSL to generate content feed from different sources

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**Senior Web Engineer** 12/2017 to 01/2020

Future PLC / Purch, New York, [<https://www.futureplc.com/>]

### *Responsibilities*

- migrating the sites of acquired companies into the corporate publishing platform
- developing and maintaining the corporate publishing platform

### *Achievements*

- implemented a Go package that provides EDSL (embedded domain specific language) for describing composition of HTML transformations. As a result, the package allows to make any complex transformation using just a few lines of code
  - created a Haskell-based set of tools that allows to make complex changes in huge amount of large json files through API.
  - implemented a set of GraphQL directives that allows to remove resolvers and describe GraphQL schemas in a declarative way.
  - implemented a complex cross-platform feature that allows the company to use a better SEO strategy. During the implementation updated components written in Go, JavaScript, TypeScript, PHP
  - maintaining and developing existing and participating in development of new high-load projects, such as [www.space.com](http://www.space.com) and [www.tomsguide.com](http://www.tomsguide.com)
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**Lead Web Developer** 05/2014 to 10/2017

Creative Soldier, Brooklyn, [<http://creativesoldier.com/>]

*Responsibilities*

- full-stack development: creating, deploying and maintaining web sites and applications starting from layouts, implementing responsive design principles in various browsers and on desktop and mobile devices
- providing technical solutions and resource estimates to the management based on clients' requirements

*Achievements*

Developed and launched 30+ projects, including

- The Duchess [<https://duchessapartments.com/>] (AngularJS + MODX)
  - Austin Nichols House [<http://austinnicholshouse.com/>] (MODX, AngularJS for mobile version)
  - EVE at the District [<http://eve.miami/>] (AngularJS + MODX)
  - Presidential City [<http://presidentialcity.com/>] (AngularJS for mobile version)
  - Logan Square L Building [<http://logansquarel.com/>] (MODX, AngularJS for mobile version)
  - Kushner Companies official website [<http://www.kushnercompanies.com/>]
  - Property Market Group official website [<http://propertymg.com/>] (MODX)
  - Trump Parc East website and other Trump's hotels sites [<http://www.trumpparceast.com/>] (MODX)
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***Education***

**Moscow Engineering Physics Institute (MEPhI), Moscow, Russia**

Engineer-physicist (MS equivalent degree), Electronics and Automation