

# Ivan CHUDINOV

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## WORK EXPERIENCE

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### **Yandex**

*Software Engineer, Internal analytical tools team*

Moscow, Russia

January 2020 – Present

- Maintained a virtual machine cluster with a pre-configured Jupyter environment with a one-click deployment for any analyst within the company.
- Integrated Jupyter installation with internal tools, such as secret storage, task tracking, and code-review systems.

*Software Engineer, Ad-hoc statistics team*

April 2019 – December 2019

- Provided technical expertise and consultations about Map-Reduce computations to analysts on different teams.
- Re-wrote and optimized most expensive regular Map-Reduce jobs, improving their performance up to 10x, resulting in more than 10% total savings of CPU time on analytical clusters.
- Developed and still maintaining a system collecting of all JavaScript front-end project dependencies in internal repositories in Yandex, used for tracking old, deprecated and vulnerable dependencies.

*Junior Software Engineer, Ad-hoc statistics team*

April 2018 – March 2019

- Implemented recurring analytical jobs on the in-house Map-Reduce clusters for consumers throughout the company.

## SKILLS

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Languages:	Russian — native, English — proficient (C2)
Programming languages:	Python — primary, Go — secondary
Tools:	MapReduce, Jupyter, Linux (daily usage), Bash

## EDUCATION

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### **Higher School of Economics**

Bachelor of Science

Applied Mathematics and Informatics

Moscow, Russia

September 2014 – June 2019

## PROJECTS

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### **Investigation of Parsing Expression Grammars** *formal languages*

Bachelor thesis — theoretical work, in which I propose a new computation method and prove its equivalence to PEG. Scientific advisor — Rubtsov A.A., associate professor at MIPT.

### **Building a Fast RegExp Engine** *formal languages, Rust*

Coursework — research and implementation of different techniques used for optimizing regular expressions. Scientific advisor — Guilhem Gamard, PhD ENS Lyon.