

# CATHERINE GALKINA

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## EDUCATION

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- Postgraduate Student (Applied Mathematics and Computer Science)** *2018 – 2022*  
Lomonosov Moscow State University, Russia  
Faculty of Computational Mathematics and Cybernetics  
Field of study: Static analysis for dynamically typed functional language
- M. Sc. in Applied Mathematics and Computer Science (with honours)** *2016 – 2018*  
Lomonosov Moscow State University, Russia  
Faculty of Computational Mathematics and Cybernetics  
Specialization: Intelligent Systems
- B. Sc. in Applied Mathematics and Computer Science (with honours)** *2012 – 2016*  
Lomonosov Moscow State University, Russia  
Faculty of Computational Mathematics and Cybernetics  
Specialization: Computer Science and Software Engineering
- Certificates & Courses**
- Course for preparing English language translators in “Applied Mathematics and Informatics” *2016*  
Cambridge ESOL Certificate in Advanced English: grade A *2011*

## EXPERIENCE

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- Typeable** March 2020 – Present  
*Developer* *Moscow, Russia*
- Fullstack Web-development in Haskell
  - Type-level programming
  - Database integration (PostgreSQL)
  - Technical blogging
  - Mentoring
- Lomonosov MSU, CMC** October 2018 – October 2022  
*Teaching Assistant* *Moscow, Russia*
- Haskell programming seminars
  - Participation in lectures and seminars for “Programming Paradigms” course
- NPP “ITELMA”** April 2019 – March 2020  
*Team Lead* *Moscow, Russia*
- Embedded and real-time systems development for automotive software
  - Development and integration within AUTOSAR architecture
  - Teamwork coordinations, task management and development monitoring
- NPP “ITELMA”** May 2018 – April 2019  
*Lead Developer* *Moscow, Russia*
- Embedded and real-time systems development for automotive software
  - AUTOSAR architecture modules development
  - Microcontroller programming, including assembly languages (STM8, SPC56)
  - Unit-testing, TDD

## GetShop.TV

*Developer*

October 2015 – April 2018

*Moscow, Russia*

- Interactive advertisement server application development in Haskell
- Type-level programming
- Database integration (PostgreSQL)
- Continuous Integration (CircleCI)
- Talks and presentations (FPConf 2017, ruHaskell Meetup 2017)

## SKILLS

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### **Programming Languages**

Haskell, C, C++, Lisp, Scheme, assembly languages, Bash, Prolog

### **Protocols & APIs**

HTTP, REST, JSON, XML, TCP/IP, POSIX

### **Tools**

Git, Vim, GNU Make, MPI, L<sup>A</sup>T<sub>E</sub>X, Nix

### **OSs**

Linux (Ubuntu, Debian)

### **Languages**

Russian (native speaker), English (fluent), French (basic), Serbian (elementary)

### **Other**

TDD, unit testing, CI, technical documentation, CLI usage, technical blogging, mentoring