

# Eldar Khalilov

📍 Waterloo, ON, Canada

✈ Free to relocate

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👤 [elkhalilov.com](http://elkhalilov.com)

## TECHNICAL SKILLS

**Programming Languages:**  
JavaScript, PHP, Java

**Technologies and Libraries:**  
HTML, SASS/SCSS, jQuery, Vue.js/Vuex, React, Redux, Webpack, Gulp, Wordpress, Magento, ExpressionEngine, Git, JetBrains Meta Programming System (MPS)

## EDUCATION

**Master of Mathematics (MMath)**  
University of Waterloo, Canada  
Sept 2014 - Jan 2017

**Master of Applied Science (MASc)**  
ITMO University, St. Petersburg, Russia  
Sept 2010 - June 2012

**Bachelor of Applied Science (BASC)**  
ITMO University, St. Petersburg, Russia  
Sept 2006 - June 2010

## EXPERIENCE

### Software Engineering Intern

JetBrains

March 2017 – June 2017

St. Petersburg, Russia

*Meta Programming Team*

JetBrains Meta Programming System (MPS) - DSL Development Environment  
([jetbrains.com/mps](http://jetbrains.com/mps))

- Designed and implemented a suite of Domain-Specific Languages (DSL) to facilitate code reuse within the MPS environment
- Extended and improved an internal Base Language (an MPS' counterpart of Java) by implementing additional operations over Java collections

### Master's Researcher

University of Waterloo

Sept 2014 – Jan 2017

Waterloo, ON, Canada

*Frontend/Backend Development*

Web-Based Clafer Tools - tools for modeling, visualization and exploration of variability models ([clafer.org/p/software.html](http://clafer.org/p/software.html))

- Performed frontend code refactoring and optimization, as well as implemented several new and improved existing features using JavaScript, D3.js, and jQuery
- Tested and debugged several crucial components using unit tests and functional testing

*Software Development*

ClaferMPS - an IDE for modeling of Electric/Electronic architectures in automotive domain ([github.com/gsdlab/claferMPS](https://github.com/gsdlab/claferMPS))

- Collaborated with other researchers to design and implement a DSL for modeling of automotive E/E architectures
- Implemented an IDE on top of MPS for editing, analyzing, and visualizing of E/E architectures based on Clafer modeling language ([clafer.org](http://clafer.org))

### Research Intern

Itemis AG

Dec 2014 - Jan 2015

Stuttgart, Germany

- Developed a prototype tool for variability modeling in Product-Line Engineering based on DSL approach and Clafer modeling language using JetBrains MPS (Java)

### Web Developer

PIN Web Agency

Sept 2013 - June 2014

St. Petersburg, Russia

- Developed cross-browser responsive static websites as well as Wordpress and Magento eCommerce themes
- Maintained and updated customer websites as needed
- Discussed design and development options with clients to ensure websites met their needs

### Frontend Developer

Freelance

Sept 2010 - Sept 2013

St. Petersburg, Russia

- Translated graphic mockups and templates into interactive web elements using Bootstrap, JavaScript, HTML and CSS
- Developed custom Wordpress and jQuery plugins
- Provided technical support and managed websites for clients