

# Foat Akhmadeev

Senior software engineer

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## Interests

Project management • Computer vision • Software engineering  
Web development • E-commerce • Technical writing

## Professional experience

- 2015-Present    Self-employed, **Senior software engineer**
- Java, C++ development.
  - Computer vision R&D.
  - Project management.
  - Projects:
    - Java throttling framework development from scratch.
    - Real-time road lane recognition on C++.
    - Detection several instances of an object on a single image for Android.
    - Upgrading [interpreter](#) written on Java.
  - Related skills: Java, JavaScript, C++, Android, MySQL, Spring Framework, GAE, OpenCV, Build automation tools, Git.
- 2014-2015    [CMP](#), **Computer vision researcher**
- Computer vision R&D.
  - Project: Image rectification using vanishing lines and local affine frames.
  - Related skills: C++, Matlab, Unix, Git.
- 2013-2014    [RoadAR](#), **Computer vision developer**
- Computer vision R&D.
  - Real-time traffic sign recognition on mobile phones.
  - Project: [RoadAR](#).
  - Related skills: C++, Java, OpenCV, PostgreSQL, Swing, Maven, Android NDK, Boost library, CMake, Git.
- 2013    [Digital Zone](#), **Senior software developer**
- Project management and code review.

- Conducting technical interviews.
- Java frontend and backend development.
- Project: [ulmart.ru](#) ([link 1](#), [link 2](#)).
- Related skills: Java, MySQL, Spring MVC, Apache Solr, JavaScript, Application servers, Freemarker, Git, Maven.

2011-2013

#### Digital Zone, Software developer

- Java frontend and backend development.
- Projects:
  - Social networks related websites.
  - [ulmart.ru](#).
- Related skills: Java, GWT, Spring MVC, EJB, Apache Solr, JavaScript, Application servers, Freemarker, Version control, Build automation tools.

## Education

2012-2014

#### MSc in Computer Science

*Kazan Federal University, Russia*

ADVISOR: Evgeny Stolov, Kazan Federal University

- Computer vision, Image processing.
- Project: *3D scene reconstruction from a single view*. Publication: [[1](#)].
- Related skills: Matlab, C++,  $\text{\LaTeX}$ .

2008-2012

#### BSc in Computer Science

*Kazan Federal University, Russia*

ADVISORS: Evgeny Stolov, Kazan Federal University; Aleksandr Shlyannikov, Kazan Federal University

- Computer vision, Image processing, Web development.
- Projects: *Handwritten digit recognition*, *E-library using GWT*.
- Related skills: Java, JEE, GWT.

## It & programming skills

*Main languages:* Java, C++.

*Data analysis:* Matlab.

*Scripting languages:* Shell script, JavaScript.

*Markup languages:* XML, JSON, HTML, CSS.

*Query languages:* SQL.

*Application and web servers:* JBoss, Tomcat, Jetty.

*Revision control:* Git, Subversion.

*Build tools:* Maven, Gradle, CMake.

*Systems on administration level:* OS X, Linux, Windows.

*Other:* Spring Framework, EJB, GWT, JQuery, MySQL, PostgreSQL, GAE.

*Digital typesetting:*  $\text{\LaTeX}$ ,  $\text{\LaTeX}$ .

## Languages

*Russian* (native speaker),  
*English* (full professional proficiency).

## Publications

- [1] F. Akhmadeev. Surface prediction for a single image of urban scenes. In C. Jawahar and S. Shan, editors, *Computer Vision - ACCV 2014 Workshops*, volume 9008 of *Lecture Notes in Computer Science*, pages 369–382. Springer International Publishing, 2015.