

# Foat Akhmadeev

Scala/Java software engineer

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**citizenship** Russia

**time zone** UTC+3

## Interests

Software engineering • Project management • Computer vision  
Scala • E-commerce • Writing

## Professional experience

2015-present

Self-employed, **Senior software engineer**

- Java, Scala, C++ development.
- Computer vision R&D.
- Project management.
- Projects:
  - A website development using Scala Play framework.
  - Java throttling framework development from scratch.
  - Robust and fast algorithm for multiply chalkboard detection.
  - Real-time road lane recognition on C++.
  - Book writing in fields of web development and computer vision: [1].
  - Working on a financial project (Java).
- Related skills: Scala, Java, Unit testing, Mocking, TDD, BDD, JavaScript, C++, Spring Framework, Play framework, 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, Unit testing, 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: [2].
- 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, Scala, 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, SBT.

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

*Other:* Spring Framework, Play framework, OpenCV, Swing, Android NDK, MySQL, PostgreSQL, TDD, BDD.

*Digital typesetting:* T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X.

## Languages

*Russian* (native speaker),

*English* (professional proficiency).

## Publications

- [1] F. Akhmadeev, *Computer Vision for the Web*. Packt Publishing, 2015. [Online]. Available: <https://www.packtpub.com/web-development/computer-vision-web>
- [2] —, “Surface prediction for a single image of urban scenes,” in *Computer Vision - ACCV 2014 Workshops*, ser. Lecture Notes in Computer Science, C. Jawahar and S. Shan, Eds. Springer International Publishing, 2015, vol. 9008, pp. 369–382. [Online]. Available: [http://dx.doi.org/10.1007/978-3-319-16628-5\\_27](http://dx.doi.org/10.1007/978-3-319-16628-5_27)