Foat Akhmadeev

Senior software engineer

⌂ foat.me
✉ foat.akhmadeev@gmail.com
○ github.com/foat
in linkedin.com/in/akhmadeevfoat

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.

- Project:

    - Social networks related projects.
    - 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++, TEX.

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: TEX, LATEX.

Languages

Russian (native speaker)
English (professional working 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.