

# Artem Ostankov

SOFTWARE AS AN ART

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*Creating professional software for 10+ years as developer, freelancer, manager and CTO.*

*Focused on Big Data, Cloud Architectures, AI, Scalable Architectures, DevOps.*

## Skills outline

<i>Name</i>	<i>Knowledge Level</i>	<i>Experience</i>
Distributed Systems / Cloud Architectures	Advanced	8 years
Data Bases (SQL, No-SQL)	Advanced	8 years
JAVA stack	Advanced	6 years
Front-End Design	Middle	6 years
Management	Advanced	5 years
Java Script stack	Middle	5 years
Python stack	Advanced	4 years
C# stack	Advanced	4 years
C / C++	Advanced	4 years
Game Dev (Unity3d, XNA, OpenGL, etc)	Advanced	4 years
Big Data (Hadoop, Spark, YARN, EMR, etc.)	Advanced	3 years
AI (ML, NLP, etc. )	Advanced	3 years
Android Dev	Advanced	3 years
Scala	Middle	1.5 year
iOS development	Novice	3 months

# Work Experience

## Freelance Project, Scala Full-Stack Developer

Nov 2016 – Mar 2017

**Scout24**

[www.autoscout24.com](http://www.autoscout24.com)

*Full-stack web development on freelance base.*

Responsibilities:	<ul style="list-style-type: none"><li>• Back-end: Scala, Java, JVM, Play framework.</li><li>• DevOps: AWS, OpsGenie, Git, Kibana</li><li>• Front-End: JS, HTML, SASS, CSS, Casper.</li><li>• Others: Agile (Kanban), Micro-Services</li></ul>		
Main Techs:	Scala 50%	Front-end 30%	DevOps - 20%
Techs and Skills:	AWS, Micro-Service Architecture, Web Development, Full-Stack Development.		

## Co-Founder, CTO.

Apr 2015 – Oct 2016

**Building Radar Gmbh.**

[www.buildingradar.com](http://www.buildingradar.com)

*CTO, responsibility for the technical side of the company. Building technology from scratch and scaling that up in terms of users, data size and tech team. Started as 3 co-founders and grown that up to 20+ people, terabytes of data and many happy costumers.*

Responsibilities:	<ul style="list-style-type: none"><li>• Early stage: customer research, prototyping, tech stack selection, investors/competitions negotiations.</li><li>• Mid stage: architecture development, development-team building and management, leading development (doing a lot of coding and communication) of most critical parts.</li><li>• Later stage: research &amp; development, technology picture and orientation.</li></ul>		
Main Techs:	Python 75%	Front-end 15%	Others - 10%
Techs and Skills:	Big Data Architecture, Amazon Web Services, Google Cloud Platform, Map-Reduce, Hadoop, Spark, Natural Language Processing, Machine Learning, Web Scraping, Full-Stack web development, Fast prototyping, Tech team Management.		
Media and Awards	Scout24 Accelerator Award (+ 20.000 \$) Founder.org – 1 <sup>st</sup> place (+ 500.000 \$) Nanjing State Development Award (+ 600.000 \$) ESA Award ( +50.000 \$)		

**Senior Software Developer**

Feb 2014 – Apr 2015

**Cliqz Gmbh.**[www.cliqz.com](http://www.cliqz.com)

*Senior Software Developer: mainly Back-end, Search Engine, Scaling to Millions of Daily users.*

Responsibilities:	<ul style="list-style-type: none"><li>• Project owner &amp; Lead developer – “Rich header”: part of search engine, responsible of showing smart snippets dependent on context of the query.</li><li>• Project owner &amp; Lead developer – “People Search”: part of the search engine, specialized on finding people profiles in internet.</li><li>• Python back-end development.</li><li>• Project scaling (architecture &amp; team leading)</li><li>• Result oriented R&amp;D with deadlines.</li></ul>	
Main Techs:	Python 85%	Front-end 15%
Techs and Skills:	Amazon Web Services, EMR (AWS Map-Reduce), Elastic Search, Web Scraping, High Scale Architecture, Big Data Processing, Natural Language Processing, Machine Learning, Small Tech-team Management.	
Media and Awards	Mozilla strategic investment ( <a href="http://tcn.ch/2bepvHy">http://tcn.ch/2bepvHy</a> )	

**Master Thesis, R&D**

Jun 2013 – Jan 2014

**Siemens Corporate Technology (R&D)**[www.siemens.com](http://www.siemens.com)

*Work on master thesis at Siemens R&D Department.*

*Research topic: Machine learning in Semantic Web.*

Responsibilities:	<ul style="list-style-type: none"><li>• Natural Language Processing.</li><li>• Big Data analysis.</li><li>• Question-Answering system.</li><li>• Research &amp; Development.</li><li>• Research paper and thesis writing.</li></ul>	
Main Techs:	Java 90%	Other 10%
Techs and Skills:	Machine learning, Natural Language Processing, Big Data processing, R&D, WEKA.	
Media and Awards	LinkedHealthAnswers: Towards Linked Data-driven Question Answering for the Health Care Domain ( <a href="http://bit.ly/2d4foLt">http://bit.ly/2d4foLt</a> )	

**Software Developer (Part-time)**

Jul 2012 – Jul 2013

**Next Munich GmbH. The App Agency**[www.next-munich.com](http://www.next-munich.com)

*Mobile Development (Android, iOS).*

*Full-stack Web App Development on Google App engine.*

Responsibilities:	<ul style="list-style-type: none"><li>• Android, iPhone apps development.</li><li>• Research &amp; Development.</li><li>• Back-end &amp; Web site development using GAE and Slim3.</li></ul>	
Main Techs:	Java 85%	iOS 15%
Techs and Skills:	Android, Google App Engine, Slim3, JS, HTML, CSS, R&D	

**Software Developer (Part-time)**

Jun 2011 – Jun 2012

**DigitalMobil GmbH. The App Agency**[www.digitalmobil.com](http://www.digitalmobil.com)*Mobile Development (Android).**Back-end Development with ASP.Net*

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| Responsibilities: | <ul style="list-style-type: none"><li>• Android development.</li><li>• New functionality creation.</li><li>• Bug fixing.</li><li>• UI implementation.</li><li>• Research &amp; Development.</li><li>• Application architecture development.</li></ul> |
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Main Techs:	Java 85%	C# 15%
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Techs and Skills:	Android, ASP.Net, R&D
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**Mobile Software Developer**

Mar 2010 – Jun 2011

**Layar - Augmented Reality Browser**[www.layar.com](http://www.layar.com)

*Mobile Android Development for cutting edge mobile app. The app is about rendering augmented information (3d, 2d, text) on top of camera image. Rendered information is based on geo-location.*

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| Responsibilities: | <ul style="list-style-type: none"><li>• Android development.</li><li>• Core and OpenGL.</li><li>• New functionality creation.</li><li>• Bug fixing.</li><li>• UI implementation.</li><li>• Research &amp; Development.</li></ul> |
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Main Techs:	Java 100%
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Techs and Skills:	Android, OpenGL, R&D
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Media and Awards	Intel Capital Augments Layar's Reality With A \$14 Million Capital Infusion ( <a href="http://tcrn.ch/cOyejA">http://tcrn.ch/cOyejA</a> )
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**Software Developer**

Nov 2008 – Mar 2010

**CyberVision**[www.cybervisiontech.com](http://www.cybervisiontech.com)*Developing different project with Java.**Developing TV broadcasting app with C.*

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| Responsibilities: | <ul style="list-style-type: none"><li>• Java software development in distributed application.</li><li>• C developer (TV broadcasting application for different platforms).</li><li>• Bug fixing.</li><li>• Research and Development Group.</li></ul> |
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Main Techs:	Java 70%	C 30%
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Techs and Skills:	J2EE, J2SE, CORBA, R&D
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## Freelance Software Developer

Jun 2006 – Nov 2008

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*Web Development.*

*Development of games and software for Android platform.*

*.NET Windows apps development.*

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Responsibilities:	<ul style="list-style-type: none"><li>• Client Java development.</li><li>• OpenGL.</li><li>• Android Java development.</li><li>• ASP.Net.</li><li>• Chess Program on .NET ( UI, Logic, Networking).</li></ul>	
Main Techs:	C# 60%	Java 40%
Techs and Skills:	Android, OpenGL, .NET, ASP.Net, HTML, JS, CSS, AI	

## Interests

- **Artificial Intelligence:** reinforced learning, deep reinforced learning, MDP, deep networks.
- **Generalized Parser:** algorithm that learns website patterns and scrape structured data (Python, NLP).
- **Unity Game Dev:** several games in pre-alpha stage.

## Education

- **M.Sc in Computer Science:** Technische Universität München, München (2011 – 2014), Department of Informatics.
- **B.Sc in Computer Science:** International Solomon university, Kiev (2006 – 2010), Department of Computer Science.
- **Secondary education:** Gymnasium #1, Simferopol (1996-2006)

## Languages

- **English:** Professional
- **German:** Fluent
- **Russian & Ukrainian:** Mother tongue

# References

- **Paul Indinger:** CEO, Co-Founder at Building Radar GmbH, [indinger@buildingradar.com](mailto:indinger@buildingradar.com)
- **Mark Al-Hames:** CEO of Cliqz GmbH, [marc@cliqz.com](mailto:marc@cliqz.com)
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