

# Michael Akushsky // 13 YEARS OF PROGRAMMING EXPERIENCE.

058-430-6064 | <https://github.com/akushsky> | [namelles.one@gmail.com](mailto:namelles.one@gmail.com) | Sivan 11, 5748

---

**CAREER OBJECTIVE:** To gain **international experience** in hi-tech related role (solution architect, senior software engineer). Preferably working with highload systems, big data and distributed software.

## QUALIFICATIONS SUMMARY:

- 13 years of experience in hi-tech industry, software development, and complex systems integration using various languages (Java, SQL, Bash, PowerShell, Python, Go, XML, Javascript,  $\text{\LaTeX}$ , ...) and technologies (Maven, Spring/Boot, Hibernate/EclipseLink, JUnit, SOAP, SMPP, XMLdSig, JAXB, JAX-WS, OAuth2, RabbitMQ/ActiveMQ, Kafka, Quartz, Swagger, Elasticsearch stack, ...);
- 15 years of experience in \*NIX operating systems administration (FreeBSD, OpenBSD, CentOS, Debian, ...), using Gentoo Linux as the main operation system for all tasks, experienced in kernel patching and backporting, routers firmware preparation;
- 3 years of experience in container technologies (LXC, Docker, Kubernetes, Helm);
- Excellent skills in development, working with legacy code, documentation and testing, as well as systems integration, technical support, data migration, business intelligence/reporting, analysis, design, and software development. Current technical skills in Internet technologies, digital security, distributed software, highload and consequently JVM deep research (memory model, concurrent execution, optimizations);
- Excellent skills in cryptography, penetration testing, computer security and malware research. Have experience in WinAPI and Native API, driver development and debug;
- Excellent skills in IoT systems construction, communication protocols (ZWave, Zigbee, Wi-Fi, Bluetooth LE/Mesh), smart home systems, security and video streaming;
- Excellent analytical/problem-solving skills, self-initiative and fast to learn new skills/technologies, resourceful, committed, and smart-worker.

## EMPLOYMENT HISTORY:

2016 – 2020 "Amdocs"

**Software development specialist** // Reporting to Software Architect

- Spearheaded development of two major projects: "Connected Home" (smart home control system, more than 75000 installations all over the world) and "DOXI" (smart router with intellectual suggestions, security and traffic managing);
- Improved performance of "Connected Home"'s critical invocation point and flows by 50%;
- Developed all parts of projects, which need cryptography, high performance and deep investigation. Created integrations with big amount of 3<sup>rd</sup> party, like Amazon Alexa.
- Initiated "DOXI" development from scratch (pure router firmware without containerization and possibility working with smart home protocols) and followed up to the cloud in AWS EKS.

Amdocs is a leading software and services provider to communications and media companies of all sizes, accelerating the industry's dynamic and continuous digital transformation. With a rich set of innovative solutions, long-term business relationships with 350 communications and media providers, and technology and distribution ties to 600 content creators, Amdocs delivers business improvements to drive growth. Amdocs and its 25,000 employees serve customers in over 85 countries. Listed on the NASDAQ Global Select Market, Amdocs had revenue of \$4.0 billion in fiscal 2018.

2010 – 2016	<b>"IT Universe"</b> <b>Senior fullstack software developer</b> // Reporting to IT Director <ul style="list-style-type: none"> <li>Developed and managed key projects in areas such as government interdepartmental interaction, corporate document flows, mass text messaging and a lot of integration with some kinds of ERP systems;</li> <li>Designed architecture and developed sophisticated distributed systems, using Java (1.6 - 1.8, mostly server side), Maven, CI/CD (Hudson), Tomcat and junit in a Linux environment (CentOS, Debian);</li> <li>Used IntelliJ IDEA as IDE, SVN for CM, jMeter for load measurement, VisualVM for deep Java software debug;</li> <li>Developed all parts of projects, which need cryptography, digital signature and high performance;</li> <li>Optimized a lot of legacy code, contributed fixes and updates for a number of opensource libraries, like <b>SProcWrapper</b>;</li> </ul> <p>IT Universe is a research, software development, and integration company. There is a number of projects which are being undertaken in collaboration with large companies and world famous universities. Company has also established close contacts with scientific and technical institutions in Europe, North America, and South-East Asia.</p>
2007 – 2010	<b>"SamaraToday"</b> <b>Senior fullstack software developer</b> // Reporting to CEO <ul style="list-style-type: none"> <li>Organized development of main portal, moved it to WordPress, completely redesigned and added number of valuable features</li> <li>Organized development of socially significant sites, like <b>"NoAIDS"</b>, which received the national Internet award of the Russian Federation – "RuNet prize"</li> <li>Some highload modules were written on Python, all other on PHP</li> <li>Had experience in rework of WordPress, vBulletin, etc.</li> </ul> <p>SamaraToday is the largest news and analytical portal in Samara, Russia. It has a strong community and a lot of information about life in Samara - from ancient till nowadays.</p>

## EDUCATION:

2005 – 2011	Samara State University, <a href="http://www.archive.samsu.ru/en">http://www.archive.samsu.ru/en</a>	Computer security and cryptography	Master degree
-------------	---	------------------------------------	---------------

## CONFERENCES && CERTIFICATES:

2020	JPoint	JUG Ru Group	–
2019	AWS Summit 2019	Amazon	–
2016	Jenkins User Conference 2016	JFrog	–
2016	Tel Ran	–	–
2015	Highload++ 2015	Ontico	–
2014	Highload++ 2014	Ontico	–
2013	Highload++ 2013	Ontico	–
2011	DocsVision DB administrator and developer	DocsVision	Certificate
2007	CQG C++ Internship program	CQG	Certificate

My LinkedIn – <https://www.linkedin.com/in/akushsky>

Languages – English (fluent), Hebrew (intermediate) and Russian (native)