

Michael Akushsky // 17 YEARS OF PROGRAMMING EXPERIENCE.

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

QUALIFICATIONS SUMMARY:

- 17 years of experience in hi-tech industry, software development, and complex systems integration using various languages (Java, C#, SQL, Bash, PowerShell, Python, Go, ...) and technologies (Maven, Spring/Boot, Hibernate/EclipseLink, JUnit, SOAP, SMPP, XMLdSig, JAXB, JAX-WS, XML, JSON, LaTeX, OAuth2, RabbitMQ/ActiveMQ, Kafka, Quartz, Swagger, Elasticsearch stack, ...);
- 15 years of experience in *NIX operating systems administration (FreeBSD, OpenBSD, CentOS/RedHat, Debian/Ubuntu, Gentoo, ...), using Gentoo Linux as the main operation system for all tasks, experienced in kernel patching and backporting, routers firmware preparation;
- 7 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 skills in researching and implementing of undocumented protocols and optimizing their performance for high-load systems;
- Excellent analytical/problem-solving skills, self-initiative and fast to learn new skills/technologies, resourceful, committed, and smart-worker.

EMPLOYMENT HISTORY:

2021 – 2024 | **"JFrog"**
Senior software developer // Reporting to Software Architect

- Contributed to the development of Artifactory, JFrog's flagship repository management solution, and its satellite service, Metadata, with a focus on efficient data handling and analysis;
- Designed and optimized repositories for programming languages and build systems (NPM, Docker, Terraform, Maven, etc.), ensuring high performance and scalability;
- Acted as a Security Champion, identifying and resolving security vulnerabilities to strengthen system reliability;
- Monitored SaaS stability, diagnosed and resolved operational issues using Kubernetes (K8s), and optimized configurations to enhance system performance;
- Specialized in researching and implementing undocumented protocols, streamlining integrations and operations for complex environments.

JFrog is a global DevOps company specializing in software development and delivery solutions. Known for its industry-leading platform, the JFrog Software Supply Chain Platform, the company enables organizations to streamline the build, distribution, and security of their software. JFrog's products support automation across the entire software lifecycle, ensuring speed, reliability, and security for development teams. With a focus on innovation, JFrog serves thousands of customers worldwide, including industry leaders like Amazon, Google, and Netflix, and is recognized for its role in shaping the DevOps and CI/CD landscape.

2016 – 2021	"Amdocs" Software development specialist // Reporting to Software Architect <ul style="list-style-type: none"> • 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 points and flows by 50%; • Developed all parts of projects, which need cryptography, high performance and deep investigation. Created integrations with significant amount of 3rd 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. <p>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.</p>
2010 – 2016	"IT Universe" Senior software developer // Reporting to IT Director <ul style="list-style-type: none"> • 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; • 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); • Developed all parts of projects, which need cryptography, digital signature and high performance; • Optimized a lot of legacy code, contributed fixes and updates for a number of opensource libraries, like SProcWrapper; <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	"SamaraToday" Fullstack software developer // Reporting to CEO <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, http://www.archive.samsu.ru/en	Computer security and cryptography	Master degree
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CONFERENCES && CERTIFICATES:

2022	Go language course	–	–
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