Konstantin Klyagin

IT professional and smart consulting expert

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Summary

Software Application Developer/Architect and Manager with over 11 years experience with a wide variety of business applications. Familiar with dozens of technologies and domains. Author of numerous publications on software development and security topics. Young, sociable, motivated and open to new opportunities.

Advanced Software Product design skills, both architecture- and user experience-wise. Requirements completion based on common sense, future development prognosis, strategic thinking, ability to imagine myself in user's or customer's place and foresee their actions, gut feeling about good and bad practices. Proven track record of successful projects in a broad variety of areas, from meteorology and LBS to data mining and e-government.

Advanced Executive and Management skills. Running a software development company, development strategy elaboration, team management and process supervision, establishing protocols for both local and remote communication, customer care, negotiations, presentations, persuasive talking.

Multi-lingual and internationally traveled, familiar with specifics of different business cultures. Experienced working with Israeli, American, German, Dutch, Romanian and Finnish companies and business people.

Specialties

software development, consultancy, sourcing, subcontracting, process management, team management, cross-platform development, databases, maps, location-based services, geographic information systems, network protocols, instant messaging protocols, web 2.0, network security, software security, java, c/c++, php, html, css, xml

Experience

CEO and founder at Redwerk

June 2005 - Present (4 years 7 months)

A software house in Ukraine subcontracting for companies in EU and US. All projects delivered on time. Very high customer satisfaction. We call it smart consulting instead of outsourcing.

We do J2EE (Servlets, JSP, tag libraries, JSTL, JavaMail, JTA, JMS), databases (MySQL, Oracle, MS-SQL, PostgreSQL, Berkley Database), application and web servers (Apache, Microsoft IIS,

Tomcat, JBoss, Resin, WebSphere), workflow automation (OSWorkflow, Enhydra Shark), remoting (RMI, RPC/JAX-RPC, SOAP, CORBA), XML (SAX, DOM, XSLT), portlets (JSR168, Novell exteNd, Liferay), AOP (AspectJ, AOP Alliance, AspectWerkz), security and cryptography (SSL/SSH, PGP, encryption protocols), data compression, remote deployment, JNDI/LDAP, RDF/RDQL, Javascript, AJAX, C/C++, REXX. Windows, Linux, FreeBSD, Sun Solaris and Palm OS.

With an experienced QA crew on our side, who validates results of every step of development, we don't let bugs get to our customers. We also offer automated testing solutions.

Visit http://redwerk.com/ for more info.
5 recommendations available upon request

Senior Software Developer at Nokia
December 2004 - February 2009 (4 years 3 months)

Involved into development of a set of tools used to process and prepare data, used by the navigation software on mobile devices:

* Designed a flexible multi-purpose parser of GDF data supplied by Teleatlas, Navteq and other major vendors, easily extendable and portable
* Implemented support for TMC/RDS and road exit signs data processing
* Implemented processing of average speeds statistical data from Inrix and developed a format for storing that data in the compressed map files used on devices
* Ported a major server-side codebase from Linux to SunOS platform
* Implemented Unicode and multi-language support for searching and
storing of locality names by transliterating them. No matter which alphabet is used while searching, the places are still to be found
* Optimized the compressed maps format used by the navigation
application on devices
* Implemented the satellite images layer in the compressed maps format
* Resolved a number of routing issues

Was involved into development of the Ovi Places service:

* Designed and implemented the initial architecture of the Places Service in Nokia's Ovi framework
* Designed and passed over to a team in Tampere the Sync and Share service (former Floating Profile) to hold users' personal items
* Designed and implemented a storage for images to be used by the Places service front-end
* Facilitated communication with an external team from a subcontractor company involved into development of the UI front-end of the Places service
5 recommendations available upon request

Periodical contributor and columnist at Software Wydawnictwo

2004 - 2006 (2 years)

In 2006 Konst was a columnist at "Haking", a computer security magazine, printed in English, Polish, German, French, Czech and Spanish languages. Among other published articles, there were:

Port scanning from administrator's point of view. The article provides details on every known type of port scanning. It also answers the question whether so-called stealth port scanning is truly undetectable and describes the tools used to expose intruders using such techniques. Issue 1, 2005.

Instant Paranoia, an overview of security features of the most popular instant messenger networks. The article covers security flaws and advantages of such well-known IM services as ICQ, Yahoo!, MSN, AIM, Jabber, also the Polish Gadu-Gadu solution. Provides protocol dumps and detailed traffic analysis with the maximum attention to details. Issue 3, 2004.

1 recommendation available upon request

Developer at Open Source Community

September 1998 - June 2006 (7 years 10 months)

Was the original author of the following projects:

* Centericq multi-IM client

Centericq is a text mode menu- and window-driven IM interface that supports the ICQ2000, Yahoo!, AIM, IRC, MSN, Gadu-Gadu, and Jabber protocols. It allows you to send, receive, and forward messages, URLs, SMSes (both through the ICQ server and email gateways supported by Mirabilis), contacts, and email express messages, and it has many other useful features. An internal RSS reader and a LiveJournal client are also provided.

Centericq is written in C++ and known to build and work on Linux, FreeBSD, NetBSD, OpenBSD, Mac OS X, Sun Solaris and MS Windows operating systems. It is included into major distributions and software collections of major Linux distributions such as Debian, Mandrake, ASPLinux, Gentoo and others.

* Motor text-mode programming IDE

Motor is a text mode based programming environment for Linux. It consists of a powerful editor with syntax highlight feature, project manager, makefile generator, gcc, gdb and cvs front-end. Due to its flexibility, it can be configured for almost any compiler and even a programming language.

Motor can be also found included into distributions of Linux and used mostly in various educational

institutions and by beginner programmers.

* Groan text-mode dictionary UI

A text mode menu- and window-driven user interface for dictionaries. Main features include dictionary manager, quick word lookup and configurable color schemes.

* Orpheus text-mode media player

A light-weight text mode menu- and window-driven audio player application for CDs, internet stream broadcasts and files in MP3 and Vorbis OGG format. Provides customizable configurable color schemes and CDDB support.

* KRIPP

A very simple and extremely light-weight network passwords sniffer written in Perl, which uses only the tcpdump utility as an underlying traffic interceptor. Can sniff and display ICQ, AIM TOC, FTP, HTTP, CVS and POP3 passwords.

Senior Software Engineer at Digitair
September 2003 - November 2004 (1 year 3 months)

Developed sophisticated implementation of the ZModem file transfer protocol for Linux, Windows and Palm OS (same source, portable code). Created several applications for serial traffic redirection and callback solutions. Developed ActiveX components, MFC-based, and PalmOS applications for serial, Bluetooth and TCP/IP communications.

Developed applications to control meteorological stations manufactured by the Finnish company Vaisala and also to access data on such equipment. The applications were implemented in C++ for Windows and Palm OS.

Wrote server-side components for mobile applications distributed on Romania's only CDMA operator, Zapp. Among them, "FHM de buzunar" (http://www.fhm.ro/2005/fhmbuzunar.php), the popular pocket edition of the "FHM Romania" magazine, its client/server architecture and a complete web-based CMS to manage the content.

Periodical contributor at PC Magazine Romania at Agora Media SA
May 2003 - May 2004 (1 year 1 month)

Author of series of articles on different software development related topics, which included advanced dynamic sites and components programming methods, social networks analysis, etc. In Romanian language.
2 recommendations available upon request

Senior C++ Developer / Team Leader at iseemedia
February 2003 - September 2003 (8 months)

Was involved into development of PhotoVista, an ultimate panorama images stitching tool for Windows and Mac (Mac OS X and Carbon-oriented so that the program runs on older versions of the OS). Implemented the design and programming of client-server communications (in C++ and Java languages) between the application and the Zoom Server solution, the industry standard for Internet imaging and an essential component of any WEB application requiring image delivery. The patented, scalable technology delivers high-resolution images, panoramas and 3D objects that you can view using any standard browser. Zoom Image Server makes it easier for various businesses to integrate, deploy, scale, and manage the delivery of dynamic, interactive and immersive imaging.
2 recommendations available upon request

Software Developer / Team Leader at Websci
September 2001 - February 2003 (1 year 6 months)

Participated in development of the Ensiva project, which is the Industry's only integrated tool for deploying data-driven web applications for all types of wired and wireless devices. Combines the advantages of time-tested RDBMS technology with standards-driven web technologies such as XML, Java, HTML, WML, JavaScript, WMLScript and VoiceXML. Above all, Ensiva enables the design and deployment of data-driven Web Services without the advanced programming expertise required for using competing Application Servers with less features.
3 recommendations available upon request

Project Manager at CDD.ua Ltd
January 2001 - October 2001 (10 months)

Working in the outsourcing field, taken care of project leadership for PDASecure, a next generation passwords and data encrypting protection for Palm handheld devices, a product by Trust Digital. Scheduled development stages, directed the team and carried on relations with the customer.
4 recommendations available upon request

Analyst Programmer / Team Leader at NIX Solutions Ltd.
April 1999 - June 2001 (2 years 3 months)

Was involved into development of a wide variety of software projects.

Bannerpool- a complex hardware-software technical system for Internet advertising campaigns. Advertisers use Web interface to create campaigns, define their properties, such as duration, planned banner shows, price, and upload banners to the system.

HIDE network is a secure solution for Windows clients. The system itself is a distributed network of proxy servers allowing secure connections for registered users.

Support online is a flexible solution for technical support desks. Separated into several workplace programs for users with different roles, it has a server-side daemon that provides efficient access to

the Oracle database.

Bannersplit is a complex solution for web portals affiliation programs.

Match21: online smart marketing system, which allows matching, buying and selling requests by complex criteria.

Cyberstate: an innovative cyber game with elements of virtual reality.
7 recommendations available upon request

Software Developer at Ukrainian police
July 1998 - February 1999 (8 months)

Developed a database application in dBase/Clipper. It was called Robocop and was used by officers to register offenders brought to the department. Extended its functionality with things like automatic lookup in the wanted criminals database.

Freeware/Shareware developer at Self-employed
January 1995 - September 1998 (3 years 9 months)

Used to develop and maintain a powerful software suite for Bulletin Board Systems. The BBS term was especially applied to the thousands of local BBS systems that operated during the pre-Internet computer era, typically run by amateurs out of their homes with a single modem line each.

Tornado's rich set of features included support for various terminal emulations, X/Y/ZModem file transfer protocols, internal scripting language, configurable language files and user menus, multi-channel conferencing, internal file system access shell, file and message areas, IEMSI auto-authorization and a bunch of unique features.

Due to its features and ongoing active development, the software gained a great popularity, especially in CIS, but there also was a feedback from American and European users. It was considered a good choice for BBS equally with other popular software such as RemoteAccess, Maximus and WildCat.

Tornado was written in Pascal and had versions for MS-DOS, Windows and OS/2.

Education

Kharkov State Polytechnical University
MS, Applied Mathematics, 1997 - 2001

Honors and Awards

1997
Regional Olympiad in Programming. The Small Academy of Science, Ukraine.
1st place.

1997
Regional Competition for the best science work in Programming. Small Academy of Science of Ukraine.
3rd place.

1999
All-Ukraine students Olympiad in Programming.
Award for the best authors program.

Interests

traveling, foreign languages, writing, photography, art, mass media, software

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Linked in ®

29 people have recommended Konstantin

"Konstantin is sharp with broad knowledge of software development technologies. While being part of iseemedia team he quickly raised the bar of professionalism and became an example to follow for the rest of the group. Very efficient in all activities and excellent communicator."

— **Serghei Spelciuc**, *Director of Development, Imaging Products Group, iseemedia*, managed Konstantin at iseemedia

"During our team-work at NixSolutions, Konstantin showed himself to be a talented software engineer and a Team Leader. High quality of Konstantin's work is really impressive, he demonstrates a rare combination of ability to work quickly and at the same time find effective solutions in unconventional situations."

— **Konstantin Volkov**, *Director, Nix Solutions*, managed Konstantin at NIX Solutions Ltd.

"Konst is a real guru in sw development for different platforms using any technologies. He runs blog http://thekonst.net/ which can be intrested not only for technical guys. Look at list of his writings http://thekonst.net/en/writings! Striking result!"

— **Viktor Shatokhin**, *Tools Mentor, NIX Solutions Ltd.*, worked with Konstantin at NIX Solutions Ltd.

"I can recommend Konstantin as a person with great expertise and deep experience of IT solutions. Konstantin is one of the most valuable persons I have ever met. Self motivated software engineer, a person you can trust when you want to be sure that important tasks will be completed in a systematic and precise way. Customer-service oriented natural born leader with a very strong work ethic. It's a pleasure working with him as he is an careful developer. Konstantin is a man with great organizational skills."

— **Vladyslav Kinzerskiy**, *SW Developer, Websci*, worked directly with Konstantin at Websci

"I know Konstantin as guru, who thinking and programming incredible quickly with high quality. He's really creative, purposeful and all-sufficient person. He knows how to do complex and big projects. I hope, I'll have another chance to wok again together. I strongly recommend his if you need a perfect result."

— Gennady Gladkikh, *CEO, NIX Solutions Ltd.*, managed Konstantin at NIX Solutions Ltd.

"I was used to work with Konst since fall 2004. During this time I understood that he is the best manager I ever seen. He always knows what to do. He understand what customers are needing, and what is most important - he knows what they WILL need in future. His strong programming background allows to facilitate the development process at any stage - from general analysis down to coding. His practice to challenge developers forces them to do their best for any software product - starting from small systems up to enterprise-wide ones. So if you need to get software of your dream implemented - tell about it to Konst, and hel'll manage it out."

— Eugene Dzhurinsky, *CTO & co-founder, Redwerk*, reported to Konstantin at Redwerk

"Before knowing Konstantin, offshore was synonym to problems for me. But Konstantin changed my ideas about that. He, and his team, are very service-oriented, punctual and to the point. Konstantin is always doing his best to meet our 'impossible' deadlines."

— Bart Waterlot, was Konstantin's client

"That time I just started my career and Konstantin was already experienced programmer. I was wondered how quick he worked and how creative he was. Working with him I gathered a lot of invaluable experience."

— Victor Shalnyev, *Perl programmer, NIX Solutions Ltd.*, worked with Konstantin at NIX Solutions Ltd.

"Konstantin was instrumental to the success of our project, he helped in design, development and managing the team. I would highly recommend him."

— Mike Shahbazi, was Konstantin's client

"I started working with Konstantin when we were in a small company called gate5, which later got acquired by Nokia. In gate5, Konst held a very important role of producing large data set for maps on the server side as well as implementation in client software. He is efficient C++ guru that produced reliable modules with clean interface. Working with Konst was always very easy, straight forward and down to the point. In addition, Konst is very interesting person to have a conversation with. He has sharp intellect that can see through things that spark your point of view. It is a great pleasure to have known him."

— Bin He, *they call me bin, Gate5*, worked directly with Konstantin at Nokia

"Hired and managed him when our outsourcing company, http://www.Qarea.com , had the name CDD.ua. Knew Konstantin before hiring by his active part in computer network society, he was the youngest member there, and very promising. When I hired him, I hired also several other guys from

the same company, who were several yeas older then him, including those who were much higher in old company structure. But he was the "BEST OF BREED" even then. He was delegated to manage project and had subordinates, all of which were older then he. The project he managed was the MAIN project of the company, and the most complicated technically. Very communicative, trustworthy, has perfect ability to keep warm relations. And, after working with him, lives a PERFECT AFTERTASTE, good memories and wish to work with him in a future if there will be an occasion. My highest recommendations."

— **Max Garkavtsev [max @ qarea.com]**, was Konstantin's client

"I have worked with Konst both as a colleague and business partner, in both cases he has shown his outstanding technical skills doubled with excellent and pragmatic communication abilities. Should any project seem impossible - call Konstantin!"

— **Darius Popa***, Owner, Digitair*, was with another company when working with Konstantin at Redwerk

"Kostya likes to write good and well-documented source code, he likes original and optimal solutions. Now he has own team, and I am sure he practices the same principals for his employees. So, I join to recommendations of Sergey Zozulya and Sergey Bezzub."

— **Vadym Timofeyev***, Software Developer - Team Leader, NIX Solutions Ltd.*, worked with Konstantin at NIX Solutions Ltd.

"As soon as Konstantin's brain power is applied to a project, things become cristal clear and get moving. A miracle? No, it's Konst."

— **Andreas F. Hoffmann***, Head of Product Management Social Media, Nokia*, managed Konstantin at Nokia

"Konstantin is smart and keen guy with good communication and engineering skills. Besides this I can recommend him as good and helping colleague. It was pleasure to work with him."

— **Lukasz Balamut***, Senior Software Developer subcontracted for Nokia, Nokia*, worked directly with Konstantin at Nokia

"Konstantin is one of the most talented people I know. The IT-professional who grasps quickly. Charismatic and pleasant person."

— **Alexander Stelmakh***, Head of Test Lab, Test lead, Tester, CDD.ua*, reported to Konstantin at CDD.ua Ltd

"I know Konstantin as very experienced and knowledgeable professional who is passionate about technology. He is the one who gets things done and it is a pleasure to work with him."

— **Alexey Pakhunov***, Software Developer, SC Richard Consulting SRL, Affiliate of WebSci*

Technologies, worked directly with Konstantin at Websci

"I would like join to Sergey's Zozulya recommendation and endorse every his word about Konstantin"

— **Sergey Bezzub**, *Senior Software Engineer, Senior Java Architect, Java Group Manager, Java Expert, Nix Solutions*, worked directly with Konstantin at NIX Solutions Ltd.

"Konstantin was a great contributor from open-source community for PC Magazine Romania. His experience obtained in open-source software was very appreciated by our readers. His results prove that Konstantin continued his career with same professionalism he provided in our collaboration."

— **Bitza Voiculescu Bogdan Alexandru**, *it administrator, Agora Media*, worked directly with Konstantin at Agora Media SA

"Kostya is top quality professional always does his best. His knowledge in many areas help him very much. One of most reliable and motivated people I know."

— **Zozulya Sergey**, *PM, I-Techs Ltd*, worked with Konstantin at NIX Solutions Ltd.

"Konstantin is very technology-oriented, with a deep understanding of programming techniques. Being versatile in his work, he successfully implemented projects regarding mobile devices, communication and web."

— **Bogdan Irimia**, *Project Manager, DigitAIR*, worked with Konstantin at Redwerk

"I worked with Konstantin in CDD.UA and reported to him. I really enjoyed his work style. He was always energetic and thinking out of the box. He did excellent job managing our priorities and making our work smooth and effective."

— **Victor Ronin**, *Project Manager/Senior Software Engineer, CDD.UA, Ukraine*, reported to Konstantin at CDD.ua Ltd

"Konstantin was a dependable and well-respected member of the development team. He was able to quickly grasp the salient points of architecture and convey the information effectively to the team. We confidently approached deadlines knowing he was working on a project."

— **Andrew Opala**, *Dir. R&D, iseemedia*, managed Konstantin indirectly at iseemedia

"Konst was regarded as a phenomenon when he arrived at WebSci (Romania/Ia#i office). A kid who, at the age of 20, had written his own IDE ("Motor"), his own messaging client (supporting ICQ/Yahoo/AOL/HotMail/IRC and what not) and knew pretty much everything that's worth knowing about C/C++ and Linux was definitely interesting. Konst is passionate about his work but also pragmatic; he's smart and gets things done. It is a pleasure to be able to recommend him."

— Mihai Bazon, *Programmer, WebSci Tech.*, worked directly with Konstantin at Websci

"Konstantin is a skilled senior developer who likes to work on challenging and innovative topics."

— Christof Hellmis, *Director Navigation & Routing Solutions, Nokia*, worked directly with Konstantin at Nokia

"Kontantin is a real IT-professional with a wide range of expertise. We worked together in a challenging project involving the latest technologies in www and mobile development. This is the guy to get the job done with, and he's great company for a party, too!"

— Esko Malinen, *Software Specialist, SYSOPENDIGIA Plc.*, worked directly with Konstantin at Nokia

"Konstantin is a highly service oriented business partner, willing to assist on all levels of the partnership. Communication is quick and to the point. Konstantin himself has in depth knowledge of technology, which helps to speed things up."

— Mike van Dijk, *Directeur Products, Green Valley*, was with another company when working with Konstantin at Redwerk

"Klyagin wrote for PC Magayine Romania many excelent reviews."

— Dan Iancu, was Konstantin's client

"I've known Konstantin for few years now. Konstantin wrote very interesting and highly exhaustive articles and columns for Hakin9 Hard Core IT Security magazine. He is a very helpful and trustworthy person. He has great IT Security knowledge and a very responsible approach towards anything he does."

— Ewa Dudzic, *Editor-in-Chief of Hakin9 Magazine and Head of U.S. Division, Software Publishing House*, was with another company when working with Konstantin at Software Wydawnictwo

Contact Konstantin on LinkedIn