

Alexey Shvechkov

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Experienced software development leader with 20+ years of experience in developing and delivering innovative software. Passionate about technology, strong technical and leadership skills.

Education:

- MSc in Applied Mathematics 1991-1996
from Institute of Telecommunications and Computer Science, Russia

Skills

- Experience in leading and managing small & medium sized agile DEV teams
- Strong system design /architecture and agile skills
- Solid technical skills:
 - Proficiency in cross platform C/C++, OOP, patterns, algorithms, network & system programming
 - Proficiency in Linux/Unix kernel (developed filtering file systems, storage stack drivers, U/L internals)
 - Proficiency in Windows kernel programming (developed minifilters; WDM, KMDF, Windows Internals)
 - Substantial Experience with Azure, AWS, GCP; AWS/Azure API/SDK programming
 - Substantial experience with various web stacks (created apps/ services using LAMP, Tomcat+Java/JSP, ext-gwt, Golang; SOAP/Rest services/microservices. Node.js+React, .NET core/ASPX)
 - and more
- [US Patents](#)

Work Experience

Technical Director, Software Engineering @ARCServe

August 2014 – Present

- Managing High Availability & replication product (team building /mentoring /technical leadership). Under my leadership the team successfully delivered number of major releases and service packs to key customers (which resulted in substantial multimillion annual revenues and great customers satisfaction).
- Continue individual contributions as developer (architect & design new features, C/C++ coding, code reviews, mentoring new team members)
- As individual contributor (Architect and PO roles) designed key selling features for Arcserve's flagship data protection product including: deduplicated replication of backups/restore points, Virtual Standby (spin up VMs from backups on clouds/hypervisors) & recoverability testing of backups on AWS & Azure, Role Based Access Control and SSO for web based management layer, architected Arcserve's SaaS product
- Leading research team which prototypes key features for next Arcserve's release (SaaS clouds protection product)
- Regularly participated in innovation timeouts/hackathons (few examples below).
 - end to end prototype for email archiving/compliance product (*SaaS product with Tomcat/Java backend, ext-gwt FE, smtp ingesting/archival service + MariaDB*) - got internal recognitions; results helped to plan M&A strategy in this area.
 - Created antimalware/ransomware protection application (Windows minifilter driver + user mode service) – results used to protect Arcserve's apps/ensure data integrity; patent pending
- Participated in M&A activities as technical expert (enabling several successful acquisitions and integrations)
- Serve as a member of architecture and patent councils (reviewing/supervising architecture for all Arcserve's products)
- Managing number of outsourced projects (translation of business requirements into product specs, negotiating scopes, schedules, budgets, supervise execution)

Sr Software Architect @Computer Associates (US)

September 2009 – August 2014

- Created evolutionary architectures throughout multiple releases /designed new features for High availability product (including migration/replication of full systems into AWS. Conducted series of POCs (rapid prototyping

of new features using various technologies), created technical assignments for distributed teams. Was involved regularly into customer support/escalations activities, critical bug fixing, product integrations. (My efforts helped to expedite several cross-company projects & my performance was highlighted multiple times at BU level). Participated in innovation activities /hackathons (got internal recognitions/awards) , prototyped disk level replication & backup drivers for Linux, prototyped self-protection/migration SaaS solution for AWS (*Tomcat, Java SOAP backend & FE written in ext-gwt*) – all results were eventually used in multiple products developed by BU.

Principle Software Engineer & Tech Lead @Computer Associates (Israel)

September 2006- September 2009

- Via startup acquisition joined CA, continued development & support of Unix/Linux drivers for HA product, worked on new product versions; developed filtering File system driver for HPUX. (*cross-platform C/C++, kernel mode debuggers /assembler /profiling tools / OS internals*)
- As Tech lead owned all kernel level development & Unix/Linux support in the product. Managed mid-sized, distributed team.
- Developed & supported minifilter drivers on Windows. (*C/C++, windbg, Windows Internals*)

Principle Software Engineer @XOsoft (Israel)

July 2000 - September 2006

- As Sr. SWE worked on next version of [CDN](#) . Developed number of critical components including highly scalable HTTP/FTP caching proxy, logs collection & analytics, snmp-based performance monitoring tool/libraries and more (*cross platform C/C++, advanced network /system programming*)
- Starting from 2002 as Principle SWE worked on HA product (continuous async replication of mission critical servers) . Developed and supported kernel mode filtering file system drivers on Solaris/AIX/Linux. Developed user mode components including drivers management layer, system/installation/packaging, networking modules (proprietary TCP/IP client/servers, implementation of various protocols including http(s),smtp, icmp, snmp), various data processing algorithms, licensing enforcement. My overall contributions into Unix/Linux support & dev helped product to get substantial competitive advantage and increased startup's valuation during acquisition which happened in 2006)
- Developed distributed build management portal(using LAMP stack) .This system helped to streamline release activities and enabled CI/CD pipeline.
- Developed *Windows WDM filter driver* (for Windows 2000/2003) to monitor registry changes (was needed for replicating registry changes when replicating apps) - Volunteered for this opportunity and quickly built domain knowledge

Software Engineer [@Yandex](#) (Russia)

January 1998 - July 2000

- Developed number of successful *web applications* which helped to increase traffic, attracted new users to search portal and helped with monetization (implemented *search subscriptions & alerting, polling, interactive forums & discussions boards, prototyped new version of adds/banners engine*). Tools/technology: Perl, C++, MySQL, Apache, FreeBSD, HTML/CSS