

Alexander (Alex) Danoyan

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Personal Statement

Seeking a challenging and dynamic management position that includes product definition, architecture and product development. I thrive in managing aggressive thought leading teams that want to build products that make a difference in the world. Self-motivated, flexible, detail and result oriented, strong sense of product ownership, team player.

Skills

Problem solving skills	Research skills
Computer networking skills	Linux, Windows and NetWare OS skills
Organizational skills	Interpersonal communication skills

Summary

Twenty-five years of experience in software research, design, development and successful delivery of products.

Hardware Experience

PC, Mobile devices, SAN (HBA, FC switches), LAN (switches, hubs, routers), ICE, embedded systems

Software and Standards Experience

C, Assembly, C++, Java, Python, HTML, XML, Bash, YCP, CIM, WS-Man, REST

Current Employment

Distinguished Engineer, Office of CTO NetIQ, Provo, Utah

April 2011 - current

- *Architect, Technical Lead and Business Analyst for Cloud and Virtualization products. Oversee the architecture for a team of 60 people, facilitating cross team and cross business unit interactions.*
<http://www.youtube.com/watch?v=S92MAyFkQiE>
http://www.youtube.com/watch?v=0Y_S3j4cqX

Distinguished Engineer, Office of CTO Novell, Provo, Utah

November 2006 – April 2011

- *Architect, Technical Lead and Business Analyst for the Novell Cloud Manager product. Lead a team of 8 people, facilitating cross team and cross business units interactions.*
- *Prototyped the Provisioning Adapter for Novell Orchestration server to import OpenSolaris VMs from Amazon's EC2 cloud, convert them to Xen VMs and then launch them. This work was demonstrated to a major Chinese telecom provider - Huawei.*
- *Architect, Technical lead and PoC implementer for "Cloud in a Box" project. Tightly integrated Cloud components which can be deployed in 15 minutes.*
<http://www.youtube.com/watch?v=D4RE0NugFvg>
- *Prototyped and placed two of Novell products into Amazon EC2 Cloud Software as a Service. These two are: Zenworks Configuration Manager and iFolder.*
- *Designed and implemented a single sign on solution for Novell's Business Service Management product, the code is in production at Charles Schwab.*

- Architect and Technical lead for the “Microsoft-Novell Technical Collaboration Agreement” for the Systems and Resource Management (SRM) BU. Responsible for architecting and delivering the Novell Linux Management Pack for SCOM. Worked closely with MS Cross-plat team in Redmond to define the scope, wrote design doc and white papers, delivered presentations at MMS, TechEd conferences. Led team of 4 people.
(<http://www.microsoft.com/presspass/features/2009/jun09/06-10novellmsftinterop.msp>)
(http://download.novell.com/Download?buildid=QD-rc_brurs~)
- Architect and Technical lead for a project between Novell and SAP. Lead team of 6 people to deliver CIM based interface to Novell’s VMM product.
(https://cw.sdn.sap.com/cw/servlet/JiveServlet/previewBody/118716-102-4-217861/SAP_VWeek_2010_Session_for_Voting.pdf)
- Consulting senior management on M&A activities. This includes evaluation of the technology and products for potential M&A candidates, as well as further due diligence.
- Active contributor to Novell Corporate Architecture.
- Contributing member for the Aperi open source project.
- Presented at Brain Share and Management Developers Conference (MDC).
(http://support.cec.com.tw/support/TechInfo/Novell/BS2004/frame_sessions.html)
(<http://www.mandevcon.com/2007/schedule.html>)
- Experience with agile software development (Extreme, Scrum).
- Participating in DMTF and SNIA work.

Work History

Software Engineer Consultant Novell, Provo, Utah

November 2003 – November 2006

Team lead, architect on Linux Admin Server project:

- Wrote design document for central monitoring server for Linux.
- Wrote the set of CIM providers for Linux. They included Linux Volume Manager and Native Volume Manager Providers.
- Worked with DRM-VM working group at SNIA on common Volume Manager CIM model.
- Worked with IBM SBLIM group on common schema and providers.
- Prepared and delivered keynote demo at Brain Share 2004 Novell conference.
- Promoting CIM on NetWare and companywide.
- Researched MOM 2005 product.
- Implemented new APIs in Linux User Management component to provide new role base functionality in OpenWBEM CIMOM and for other consumers.
- Researched RedHat Network(RHN) features and helped to create PRD for Novell Customer Center
- Active participant in Novell’s summits: Identity, Systems Management and Storage.

Member, Novell Enterprise Linux Services (NNLS) and OES 1 product Architecture team:

- Worked closely with Product Management team to define features for these products.
- Lead design and implementation for integrating Linux User Identity with Novell Directory Services (eDirectory). The components included Linux User Management (LUM) and Samba. LUM had 4 main parts: PAM and NSS modules, daemon and the set of command line utilities.
- Designed and coded components for NNLS install and configuration: LUM, Samba, NetStorage, and Identity Manager.
- Implemented fine grained user access control for Linux services in LUM.
- Taught classes on LUM and Samba to System Test, Developer Support.

- *Wrote deployment guide for LUM.*
- *Made LUM RPM and files inside RPM to be LSB compliant.*

Senior Software Engineer Novell, Provo, Utah

November 1997 – November 2003

- *Leading design and implementation for User Auto-Provisioning functionality for Novell Branch Office (NBO). This work included multiple LDAP server support, hierarchical tree support, home directory creation, assignment trustees to home directory, adding user to the group, copy basic user attributes from corporate server to NBO. Support for cross platform Central Office servers: Linux with eDirectory and Windows with Active Directory via LDAP.*
- *Ported NAS GUI and CLI management system from NW 5.1 to NW6-based NBO.*
- *Ported/adapted ZENworks for Servers components to NBO.*
- *Wrote user guide document for User Auto-Provisioning functionality in NBO.*
- *Designed and implemented software upgrade functionality in NBO.*
- *Debugged and fixed issues related to connection leaks and Rsync component of NBO. These components were developed by other team members.*

Worked on Novell's Native File Access Protocols product (NFAP).

This product provided CIFS and AFP native support on NetWare.

- *Designed and implemented CIFS integration with Novell Directory Services (eDirectory). This included eDirectory schema extensions definition and coding.*
- *Debugged, coded install for NFAP.*

Worked on the team of four engineers who developed Novell's award winning Clustering Services (NCS) product for NetWare.

- *Was responsible for NLMs development for Split Brain Detector, SDB library, and cluster library components.*
- *Designed and implemented License Policy Manager for Novell Clustering Services (NCS).*
- *Co-developed Java based install for NCS.*
- *Designed and coded LANSAN prototype for NetWare. This project was inspired by Network Block Device (NBD), the grandpa for iSCSI! The purpose of this product was to provide a cheap alternative for SAN, especially useful for SMB customers.*
- *Represented NCS team at Network Interop, Comdex and Brainshare events.*
- *Designed and implemented troubleshooting wizard for Novell Cluster Services*
- *Added enhancements for clustering support to NetWare management utilities: NWConfig, NWAdmin and ConsoleOne.*

Software Engineer Novell, Provo, Utah

November 1992 – November 1997

- *Developed bound protocol stack for Windows NT in form of service driver (NDISODI.SYS) and DLL to bind protocol stack to NDIS driver and/or to Novell ODI driver on Windows NT.*
- *Wrote Novell first PCI LAN driver for PCnetXX PCI AMD chip sets, code was used in Novell public SDK.*
- *Development of LAN drivers for DEC, Intel for NetWare server, client, Windows 95 and NT.*
- *Co-developed, debugged and tested protocol stack shim between 32 bit LAN drivers and 16 bit protocol stacks for Novell Client 32.*
- *Wrote code to enhance Remote Boot system (RPL) for NetWare OS.*

Software Engineer Computer Consultants Corporation, Salt Lake City, Utah

June 1992 – November 1992

- *Developed software systems for credit union management*

Software Engineer Small Systems Support, Big Water, Utah

January 1992 – June 1992

- *Designed and coded software system for SCSI, it is in use by United States Geological Survey, system written in C*

Software Design Engineer Design Bureau of Programmable Logic Controllers, Yerevan, Armenia

September 1987 – December 1991

- *Designed and coded debugger for microprocessor 8086-based unit using ASM86*
- *Developed software system for EPROM programmer which work under PC control, system written in C*
- *Coded MS-DOS drivers to use Russian and Armenian languages for PC video adapter, keyboard and printers using ASM86.*

Software Design Engineer GE Industrial Control, Kidsgrove, Stoke-on-Trent, England

January 1991 – June 1991

- *Designed, coded and debugged firmware for keyboard of Programmable logic Controller using MCS 8048 cross assembler on PC, located and programmed code on EPROM*

Education

National Aviation University, Kiev, Ukraine

September 1982 – June 1987

Units completed: 5 years

Master thesis: *Imitational modeling of computer diagnostic system in GPSS*

Master of Science degree in Computer Engineering, Summa Cum Laude (with honors), GPA 4.0.

Languages

English, Russian, Armenian

Awards

- Distinguished Engineer award. "This title is given to individuals whose creative work adds extraordinary value to Novell. These individuals continue their groundbreaking customer-focused development work, act as mentors for other engineers, help recruit outstanding new talent, and counsel senior Novell management on industry issues."
- Twice nominated for Novell's Employee of the Year award (2003, 2005).
- Three times received RACE award for exceeding the expectations to support Novell customers.

Patents

- Isolating Multiple Authentication Channels, each using Multiple Authentication Models (Novell, granted in 2008)
- Fine Grained Access Control for Linux Services (Novell, filed in 2004, pending)
- Synthesized Root Privileges (Novell, filed in 2004, pending)
- Secure Systems Management (Novell, filed in 2004, granted in 2010)

- System and Method for Updating a Cache using a Gating Mechanism and Events (Novell, filed in 2006, pending)
- System and Method for Performing Designated Service Image Processing Functions in a Service Image Warehouse (Novell, filed in 2008, pending)

Hobbies

- Home automation using X10
- Built audio / video distribution using Channel Plus modulators and distribution panel
- Built IR control using Niles IR system for the whole house
- Experimenting with ReplayTV DVR
- Experimenting with Linksys VOP adapters, by re-flashing firmware to enable additional features
- Experimenting with DOCSIS cable modems, by re-flashing the firmware for diagnostic purposes
- Experimenting with audio and video distribution systems over IP networks using NetStream products
- Audio / video distribution using commodity PC and laptops (RAID based server etc)
- Helped to setup Control4 HC-250 controller with A/V equipment and Zigbee based light dimmers
- Experimented with remote control for Onkyo networked A/V receiver over the Ethernet (eISCP) using PC, iPhone and iPad.
- Experimented and been a Beta tester for IPTV service using Ariza 500 STB and Wireshark.

References

Eric Anderson VP of Engineering and CTO, Novell Inc.
Phone: (801) 319-8619

Kelli Frame Director of Software Engineering, Fusion-IO
Phone: (801) 231-7977

JD Marymee Director of Strategic Alliances, Microsoft Corp
Phone: (425) 269-1993

Larry Steinberg Principal Development Manager, Microsoft Corp
Phone: (425) 706-3245

KY Srinivasan Principal Software Development Engineer, Microsoft Corp
Phone: (425) 882-8080

Scott Isaacson Distinguished Engineer, Novell Inc.
Phone: (801) 376-8125

Dana Henriksen Principal Engineer, Cisco Corp.
Phone: (801) 319-5060

For more references see “Attached Documents” section.

Attached Documents

- Extract from “Distinguished Engineer Nomination Form” (DE Nomination Part.pdf)
- Extract from “Competencies review 2007-2008” (Competencies 2007-2008.pdf)