

# Boris Tobotras

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## Summary

- Understanding of enterprise-wide information systems' principles and implementation practices. Significant experience in system and application software design and development. Experience in local and wide area networks. Understanding of information systems security principles and implementation methods. Knowledge in tasks and solutions of information systems management. Team leadership skills. Written and spoken English.
- Knowledge of theory and practical experience in development and implementation of structured document management systems. Understanding of SGML and XML technology, knowledge in SGML tools.
- Operating systems: RT-11, RSX-11, MS DOS, Windows, Interactive UNIX, AT&T UNIX SVR3, Solaris, AIX, Linux; detailed knowledge and practical experience in UNIX systems and TCP/IP networks administration, usage and application programming.
- Platforms: DEC PDP-11, Besta-88, IBM PC, Sun SPARC, IBM RS/6000 and SP. Clustering systems. Disk arrays.
- High availability systems. Backup and archive software. Systems management systems.
- Programming languages: Scheme and Lisp, Tcl/Tk, C, C++, Java, Unix shell scripting, PostScript, FORTRAN, Pascal, assemblers. Good programming skills. Experience in parallel, distributed and Web-oriented programming.
- Information security solutions. Firewalls: Checkpoint (Solstice) Firewall-1, TIS fwtk and Gauntlet, "Zastava-Jet".
- Technologies: SGML/XML/HTML, DSSSL, HyTime, TeX, PDF, scripting, CGI, CORBA, WWW.

## Employment history

### **1994 — now : Jet Infosystems**

Position: service engineer, consultant, head of software laboratory.

Installation, service, customer support, maintenance, performance tuning, consulting and pre-sales in following areas:

- Full line of Sun workstations and servers: SPARCstation 5 to UltraEnterprise 6000;
- Storage systems: SPARCstorage Arrays, StorEdge, tape- and CD-libraries, RAID;
- OS Solaris and applications;

- clustering systems: SPARCcluster PDB;
- high availability solutions: Qualix HA+, Veritas FirstWatch, Veritas Filesystem and Volume Manager;
- backup and archive software: Legato (Solstice) NetWorker, Cheyenne (CA) ARCserve/Open;
- systems management systems: CA Unicenter TNG, SunNet Manager;
- “TurboSwift” SWIFT terminal.

Enterprise-wide projects on information security and information systems. Base platform: UNIX and Web.

Design, development and implementation of structured document management system, SGML-based. System is currently in production use in the company.

Intranet technology projects: analysis, design and development. CGI programming, fulltext search system with Informix DBMS access.

LAN, application and file servers’ administration.

#### **1992-1994 : JSC “Uwertt”, JSC “RT”**

Position: developer, software engineer.

Development of data compression module.

Development of portable (DOS/Windows/UNIX) library for interprocess communications.

Design and development of “intelligent editor”: document preparation system integrating editor, database for documents and objects used in documents, query facilities. System was developed up to sales ready state.

Custom module was integrated into NCSA telnet package (DOS TCP/IP stack), package was adapted for customer’s needs and documented.

#### **1989-1992 : Moscow Telecommunication Institute, Research and Development facility, 15th laboratory**

Position: technician, engineer.

Development of software: digital filters’ modeling and characteristics calculations, special (polarization) processing of digital images, results visualization.

Non-standard peripherals (CCD-cameras, image accumulator, photo-printer) interfaces: adapters design and implementation (for LSI-11, IBM PC/ISA bus), device drivers programming.

## Education

#### **1987-1992 : Moscow Telecommunication Institute (currently Moscow Technical University of Communication and Computer Science)**

Automatics, telemechanics and electronics faculty (currently Radiotechnics).

## Courses and trainings

**Nov 7-11, 1994** : Sun Microsystems Computer Company, Moscow

Advanced SE Certification Course

**Nov 13-17, 1995** : SunService, Moscow

Solaris System Administration II

**Nov 20-22, 1995** : SunU Course and Development, Moscow

Sun Disk Management

**Apr 29-30, 1996** : Sun Microsystems, Milpitas

Volume Management with a SPARCstorage Array

**May 1-3, 1996** : Sun Microsystems, Milpitas

SPARCcluster Parallel Database Administration

**Oct 21-23, 1996** : IBM, Moscow

AIX Performance Management and Tuning

**Nov 25-29, 1996** : IBM, Moscow

AIX for UNIX Professionals

**Jan 27-31, 1997** : IBM Central Europe & Russia Inc, Vienna

SP Overview and Implementation Workshop

**Apr 25-26, 1997** : Computer Associates International, Islandia

Unicenter TNG Agents Programming

**Feb 3-4, 1998** : Trusted Information Systems, Inc, Moscow

Gauntlet Firewall: installation, configuration and management course

## Personal information

31, married, two children. Non-smoker. Living in Moscow.