

Przemysław Frasunek

Personal data

- Marital status: single
- Nationality: Polish
- Age: 23

Education

Oct 02 – present Polish-Japanese Institute of Information Technology
Warsaw, Poland

Specialty: Software Engineering and Databases

- M. Sc. expected in Jun 08

Oct 98 – Jun 02 Unia Lubelska High School Lublin, Poland

Professional experience

Jul 02 – present ATM S.A. Warsaw, Poland

Consultant and Team Leader

- Security consultant
 - Leader of auditing teams
 - Conducted security audits in major Polish companies
 - PTK Centertel (Orange)
 - Empik
 - BRE Bank
 - ZEP-Info
- Unix and networking consultant
- Programmer and team leader
 - Software for POS TV market¹
 - Deployed in Neckermann
 - IP Billing software
 - Deployed in ATMAN network
 - Scalable, networked library for multimedia content
 - Deployed in TVP S.A. for iTVP project
- R&D

Feb 06 – present FPZ Consulting sp. j. Warsaw, Poland

Co-owner

- Security consultant and researcher
 - Conducted security audits in major Polish companies
 - Polkomtel S.A. (Plus GSM)
 - PORR
 - BASF
 - Author of 30+ reports regarding vulnerabilities in popular open source software, published on BUGTRAQ mailing list², e.g.:

¹ <http://www.atm.com.pl/index.jsp?pageid=575>

- Critical local root vulnerabilities in Solaris systems
- Multiple critical local root vulnerabilities in FreeBSD operating system
- Bluetooth vulnerabilities in Nokia phones
- Critical remote root vulnerabilities in widely used FTP servers (wu-ftpd, proftpd, lukemftpd)
- Critical remote root vulnerability in widely used NTP daemon (network time protocol)
- Business development
- ISP
 - Providing internet access for residential users in Lublin, Poland since 1999
- Unix and networking consultant
 - Providing outsourcing services since 2000

Mar 06 – Apr 06 Polish-Japanese Institute of Information Technology
 Warsaw, Poland

Lecturer

- Conducted a 60 hour “Computer Forensics” course for students with the following subjects:
 - Passwords security
 - Social engineering
 - Network – scanning and reconnaissance
 - Network attacks – DoS and DDoS
 - 802.11 security
 - Bluetooth security
 - IDS and IPS
 - Firewalls
 - Cryptographic tools – SSH and PGP
 - Vulnerabilities in web applications – SQL, PHP, Perl, Java
 - Buffer overflow vulnerabilities
 - Format string vulnerabilities
 - Race condition vulnerabilities
 - Architecture of UNIX operating systems
 - Architecture of Windows operating system
 - Embedded systems security
 - Most common configuration problems
 - Computer forensics and post mortem analysis

Conference papers

Security of Bluetooth enabled devices
 CONFidence, Krakow, Poland (2006)

Mechanisms of Security Vulnerabilities Exploitation
 CONFidence, Krakow, Poland (2005)
 Warsaw University of Technology, Warsaw, Poland (2004)
 TrustSecure, Warsaw, Poland (2001)

Introduction into FreeBSD internals

² All of them are also published on my website

Warsaw University of Technology, Warsaw, Poland (2005)

Analysis of Security Threats and Vulnerabilities in 2003

Catholic University of Lublin, Poland (2004)

FreeBSD Security

MeetBSD, Krakow, Poland (2005)

BSDay, Warsaw, Poland (2003)

TrustSecure, Warsaw, Poland (2001)

Security of Perl and PHP web applications

Catholic University of Lublin, Poland (2003)

Security and Kernel Modules on FreeBSD

TrustSecure, Warsaw, Poland (2002)

Security in Practice: Penetration of The System Through Server

Catholic University of Lublin, Poland (2001)

Security of Apache Webserver

ApacheCon, Szczytno, Poland (2000)

Tuning Apache Webserver on FreeBSD

ApacheCon, Szczytno, Poland (2000)

Publications

Design and Implementation of Maildir Storage Format

LinuxPlus 6/2002

FreeBSD 4.5 – what's new?

LinuxPlus Extra 3/2002

Nntpcache in ISP environment

LinuxPlus 3/2002

Differences between Linux and BSD

PC Kurier 13/2001

Security and Kernel Modules on FreeBSD

Software 5/2001

Using qmail and sqwebmail in ISP environment

LinuxPlus 3/2001

FreeBSD Security

Software, special edition

Configuring PPP on FreeBSD

LinuxPlus Extra 3 (4) / 2000

Backdoors on Unix systems

Software, special edition

Configuration of XFree86 environment

NetForum 9/1998

Skills

Computer security

seven years of experience

- Detailed knowledge of security threats, vulnerabilities and methods of exploitation

- Penetration and white-box tests of networks and servers
- Source code analysis
- Designing and implementing security policies

Programming

- C (seven years of experience)
- Perl, PHP, SQL (five years of experience)
- Java (three years of experience)

Java 2 Enterprise Edition

two years of experience

- Technologies: servlets, JSP, EJB, XML
- Tools/frameworks: Struts, JBoss

Software design

two years of experience

- Structural and object analysis
- UML
- RUP

UNIX

seven years of experience as an administrator

- Flavors: FreeBSD, OpenBSD, Linux, Solaris
- Detailed knowledge of architecture and system internals

Networking

- Detailed knowledge of TCP/IP networking
- Cisco routers and switches

Radiocommunications

- Licensed ham radio operator (callsign SQ8JIV)

Languages

- Polish (native)
- English (fluent)
- German (basic)