

Mateusz Błaszczyk

Born: 28 August 1977, Warsaw, Poland

Current location: Dublin, Ireland

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Recent Projects

- Design of security policies and ddos countermeasures, securing ISP network
- Design and implementation of infrastructure to house critical services: VOIP, DNS, NMS, BSS
- Implementation of HA and load sharing infrastructure using BalanceNG appliances
- Design of ISP service automation system for provisioning

Experience

- **10 years** of experience in networking field in service provider environment consisting of Operations, Support and Design roles in various networks – SDH, ATM, FR, Ethernet, IP and MPLS.
- **Service Provider networks:** support, design and implementation of SDH, ATM and Metro Ethernet core networks as a foundation layer for both TDM and IP infrastructure and clients.
- **Securing SP networks** using various techniques and methodologies - iACL, Bogons, RTBH, Arbor appliances to only name a few.
- **Business Services:** design and testing of business CPE and services
- **Residential Services:** design and testing and deployment of multiple CPEs (xDSL, FTTH) and services
- **NMS:** design and implementation of Packetfront's BECS3 system serving FTTH and xDSL access technologies
- **SP Services:** design and implementation of in-house NMS systems including open-source technologies to support NOC teams, Business Support as well as Billing Department to allow more precise estimation of network costs and performance
- **SBE Networks:** design of customer VPN networks, customer internet access and network architectures.
- **Troubleshooting:** good experience in undergoing 3rd level troubleshooting in complex networks – SDH, ATM, Ethernet and IP/MPLS
- **Testing:** both vendor and technology testing aiming for incorporation of innovative and more efficient solutions into production networks and services.
- **Programming:** using and programming most common un*x scripting languages – shell, php, perl; also C programming, web programming - SOAP.
- **Servers:** advanced level of administration of both Sun and Linux servers, including routing and firewalling.
- **Routers:** Cisco, Juniper, Packetfront

- **Switches:** Ethernet: Cisco; SDH: Sagem, Axxessit/Ericsson; ATM: Cisco;
- **DSLAMs:** Packetfront, ZyXEL, Hatteras
- **Modems/CPEs:** Telsey, ZyXEL, Cisco
- **Appliances:** Arbor SP Platform, BalanceNG load balancers

Social skills

- **Team skills:** creative, self-disciplined and persistent with exceptional ability to drive project through all phases to its completion, good team player, always ready to share and exchange his knowledge with other members of the team
- **Languages:** English – fluent, Polish – native, German – basic
- **Communication and Cognitive abilities:** good analytical and documentation skills, ability to recognise problems and deal with them in an effective and time efficient manner

Employment history

- 12/2005 – Present
Magnet Networks (Dublin, Ireland)
 Roles: Network Engineer, Senior Network Engineer

I have designed, implemented and operated BECS3 NMS system into Magnet's FTTH and LLU ADSL2+ footprint. I have designed Magnet's L2 VPN infrastructure using Cisco ME6524 switches and c7600 Series. I have written numerous scripts and tools for better integration of Magnet's networking infrastructure with NOC, Support and Provisioning teams. I have successfully undergone selection and testing of Magnet's both ADSL2+ and FTTH residential CPEs and business Metro Access CPE. I have worked closely with project and product management to design and create new services for both residential and corporate part of the business. Furthermore I have provided a 3rd tier support for NOC team. Recently I was involved in restructuring Magnet's service infrastructure and also securing Magnet's SP network. I took part in designing an automation system to ease up network provisioning and standardizing Magnet's services.

- 3/2000 – 11/2005
NASK – National Research and Academic Networks (Warsaw, Poland)
 Roles: Network Operator, Network Engineer

Firstly I worked for NOC department, where I have achieved great knowledge of managing and troubleshooting ATM and IP networks as well as Linux and SUN servers. Then after 2 years I moved to Network Development department. Here I had the possibility to design customer VPN networks, customer internet access and network architecture for NASK core networks. My main tasks were designing QoS (Quality of Service) architecture and testing environment, also carrying in-depth research on MPLS. One of my other tasks was building and implementing network management software for the NOC team. I had completed many smaller projects for our customers, including internet access, VPN design. One of my last projects was to design SDH/ATM core network upgrade. I was involved in building the in-house network management solution together with hardware inventory, trouble ticketing and network costs calculation software.

Certifications, education

- **Master's Degree** "MultiProtocol Label Switching in ATM networks", Politechnika Warszawska (Warsaw University of Technology)
- Cisco **CCNP** certificate in 2006 (aiming at Cisco CCIE/Service Provider)
- Introduction to **Juniper M/T** Series Routers training by Ericsson
- Using and Administration of Cisco CIC/Reporter training by Ericsson
- DWDM Transmission Systems training by EduTel
- Foundation Course in Cisco ATM Catalyst 8500 training by NCR
- Business negotiations training by Moderator

Interests

- Networking, MPLS
- Future of computing
- Photography, hiking,
- cars especially old minis, motorbikes