

Ľuboš Medovarský
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Open for part-time remote positions and consultancy.

PROFILE

An IT professional with wide Unix/Linux experience in systems administration, IP networking, embedded systems and Free/Libre Open Source software development. Focused on building networked systems.

Skills

- Unix and Linux administration
- Building and patching Linux and BSD systems from source code
- Development in many programming languages for OS and bare metal
- Standards based networking and network security

Achievements

- Implemented high performance network and server solutions
- Successfully built high bandwidth storage solutions and virtualized server cluster
- Managed multiple worldwide scale Configuration Management platforms

EXPERIENCE

2001 - 2002

Software expert, *Alcatel corporation*, Bratislava, Switching and Routing Division

<http://www.alcatel.com/>

Alcatel System-12 PBX, maintainer of RDBMS data migration tools.

1999 - 2007

CTO and Administrator, *AVI Studio*, Bratislava

<http://www.avistudio.sk/>

Built IT infrastructure from scratch, planned and engineered IT expansion projects, upgrade procedures, managed network and systems security, data backup, disaster recovery. Created flexible virtualized rendering cluster and automatic node recovery system. Architected and built server rooms, multigigabit networked high capacity storage systems, redundant firewalls and active network monitoring.

2008 - 2009

Developer, *PosAm*, Bratislava

<http://www.posam.sk>

Pilot Youtube-like multimedia server cluster project based on P2P technology, outsourced by Cisco Systems. Storage management tools, http performance testing, multimedia access control, system reconfiguration tools.

In-house built open source OLAP server ported to Linux (<http://coid.sourceforge.net>).

2010 - 2012

Network Tools Engineer, *Hewlett-Packard*, Bratislava

<http://hp.com>

Enterprise Services, Global Network Tools & Automation, Configuration Management.

Performing 3rd level support of configuration management servers in a global network, managing network devices in the customers' infrastructure. Support tools and business process tools development, software customization.

Key applications: RHEL , HP Network Automation, Aruba Networks AirWave, Cisco WCS.

2013 - 2016

Application Administrator/Developer, *Erste Group IT SK*, Bratislava

<http://erstegroupit.com/>

Frontends&Channels, Monitoring team

Performing last line of support for Open Source based monitoring servers in network environment. Support tools and business process tools development, software customization. Real-time application log processing, searching and event notification.

Key applications: Zabbix, PostgreSQL, MariaDB, Python, Django, Git, nxlog, Elasticsearch, Kibana, Ansible, open source networking tools, install package building tools.

2004 - presence (parallel activity)

Linux and Embedded Systems DevOps Engineer, *Accelera Networks S.r.O.*

<http://lubos.medovarsky.com/>

Remote measurement, logging and control systems, open source based systems development:

- Home automation system with privacy, autonomy, versatility, openness and hackability in mind.
- Networked and stand-alone, GNU/Linux and bare metal embedded hardware systems
- Measurement and telemetry system for scientific labs
- Networking: HA firewalls, routers, QoS control, capture and monitoring systems (PCap, PF_RING, gulp, tcpflow)
- Java Application Server development (Tomcat, JBoss)
- GUI and web application development
- Massive automated Configuration Management (Ansible)
- Big Data (DWH) environment builds (Zookeeper, Kafka, Druid, Elasticsearch, etc.)

SKILLS

- Linux/Unix systems administration, network installation, application deployment, configuration management
- Security: application security enhancement tools, network perimeter auditing, multilevel server security, patch management
- Networking: Ethernet, IP, TCP and various other protocols and services
- Distributed systems: interfacing, clustering, OS virtualization, multithreading, multiprocessing
- Programming: assembler, Object Pascal, C, C++, Python, Shell
- Applications: Django, CodeIgniter, Delphi/C++ Builder (VCS), Java UI.
- Linux platforms: x86, AMD64, ARM Cortex-A, MIPS, PowerPC, Sparc, 68k
- Embedded systems development: ARM Cortex-M, AVR, Z80, Rabbit, 6502, 6800 microcontrollers.
- RDBMS: PostgreSQL, Firebird SQL, MySQL/MariaDB/Vitess, Oracle
- Digital circuit design, EMC-aware PCB routing, SMD prototyping, Design for Manufacture/Assembly/Test/Cost.

ACTIVITY

- Book review: [PostgreSQL Developer's Guide](#), Packt Publishing, UK
- [Association of Computing Machines](#) member #5513831

IDENTITY

Available online at <https://keybase.io/bitsmith>.

- PGP key id 3A992674, fingerprint 9927 3910 442E 69AA 0B06 75C1 7394 E9C1 3A99 2674

EDUCATION

1994 - 1995	Machinery Faculty of Slovak Technical University, Bratislava
1992 - 1994	Transport School, Bratislava
1992 - 1989	Secondary Machinery School, Nový Sad
1981 - 1989	Elementary School J.A.Komensky, Kulpín

LANGUAGES

spoken/written

English
Slovak
Czech
Serbian
Croatian
Russian

spoken/written

intermediate/advanced
advanced/advanced
intermediate/intermediate
advanced/advanced
intermediate/advanced
beginner/intermediate

LICENSES

Driving license class B, clean

Ham Radio Station Operator's License, international, personal

Aviation Radio Communication Operator's Certificate, international, class I

PERSONAL

Family outdoor activities, building electronic systems, space colonization,
Science Fiction.

Trenčianske Teplice, February 10th, 2017.

Ľuboš Medovarský