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# Curriculum Vitae

## Qualifications

### *Technical Skills*

- DevOps: • **Ansible, Terraform, Packer, Kubernetes, Kubetpl, Docker, Docker Swarm, Docker Compose, Dockerhub, Nexus, Git, Git-crypt, Gitlab, Bitbucket, InfluxDB, Grafana, Prometheus, LXD/LXC, LDAP (ApacheDS), GoCD, Jenkins, Redis, AWS cloud (ECS, S3, EC2, VPC, AS, ELB, Route53, EFS, RDS, VPN - IPSEC/OpenVPN), OpenStack (Openwatt, Flexible Engine), Centos, Ubuntu, Debian, Alpine Linux, Fluent, Loggly, Jira, Slack, Mattermost.**
- Programming:  
Administration: • **Bash, Shell, Awk, Qt C++, SQL, Python, Formula i Report (Macrologic), Html.**  
• **Configuration of servers and hosting clusters based on Debian operating system (Linux), FreeBSD, and DirectAdmin - expert level.**  
• **Compiling the Linux kernel**, along with specialized patches improving performance, stability, security, custom software compilation and building of binary packages for various Linux distributions and FreeBSD.  
• **Apache (prefork, event, worker), NginX, PHP (fcgid, FPM, chroot, OPcache, Suhosin), MySQL, CWSAF (mod\_security), reverse proxy, testcookie.**  
• **NFS, Bind, Proftpd, Jabber (OpenFire), Dovecot, MTA (Exim), Greylisting, RBL, Spamassasin, Clamd, SNMP, Samba, Squid, Djbdns, etc.**  
• **Firewall: Iptables, Ip6tables, NAT, NAT64, PF, IPFW; QoS (tc); IPS/IDS.**  
• **Bazy danych: MySQL, MariaDB, Percona, PostgreSQL, MSSQL, Oracle.**  
• **Installatron, LibreNMS, Munin, Observium, Zabbix, Django, Tomcat, Jboss.**  
• Installation and configuration of servers based on the CentOS operating system.  
• Windows Server (2003/2008/2012/2016), Ubuntu, CentOS, Red Hat, OpenWRT.  
• Active Directory (AD), Windows DNS, WSUS, iSCSI, NLB, Klastry HA, itd.
- Networks: • **Mikrotik, Netgear, Cisco CCNA (RIP, IGRP, OSPF, VLAN, STP, itd), elements of CCNP, etc.**  
• **IPv4, IPv6, Ethernet, Wi-Fi, NetworkWeathermap, WAN (Frame Relay), etc.**
- Security: • **Securing servers and IT systems; Backups (rsync).**  
• **Audits and safety analysis** for the construction of networks, configuring devices, servers, IT systems, databases, network services, Web sites and applications.  
• **Digital forensics**, log analysis, metadata; Reliability analysis.
- Virtualization:  
Storage: • **Xen, Citrix XenServer, KVM, VMware ESXi, Docker, Hyper-V, Jail, VirtualBox.**  
• **Software RAID (Gmirror, Mdaemon), network RAID (DRBD), hardware RAID 3ware/LSI/AMCC; AF, SSD, TRIM, LVM, SMART, etc.**
- File systems:  
Cryptography:  
ERP:  
Desktop: • **FAT, NTFS, EXT2/3/4, ZFS, BTRFS, UFS2, XFS, ReiserFS\*, etc.**  
• **SSL/TLS, Dm-Crypt/Luks, VeraCrypt, VPN (OpenVPN, L2TP, PPTP), etc.**  
• **Macrologic Xpertis (ERP), Insert, Platnik, Pfron, Elisoft, etc.**  
• **Migration of existing PCs and laptops for Linux systems such as Debian, Ubuntu, Suse** and implementation of such systems on new desktops in order to reduce TCO, optimize ROI and to improve the overall performance, efficiency and safety in companies.
- CMS, CRM:  
Debug/perf.: • **HelpSpot, Joomla, WordPress, DokuWiki, PHPBB, eGroupware, etc.**  
• **Strace, ltrace, ldd, dmesg, truss, hdparm, ab, ss, lsof, sar, mtr, etc.**

## Qualifications (continued)

- Other:
- Knowledge of issues related to streaming AV.
  - Knowledge of issues related to the monitoring CCTV, IP cameras, etc.
  - Knowledge concerning. Power systems and monitoring for data centers.
  - Good knowledge of the GNU GPL, BSD, CC and related issues.
  - Knowledge of selected issues related to ITIL, ASL and BiSL.

### *General Skills*

- English: • **B1 level** (in verbal communication); Good understanding of IT documentation.  
Japanese: • **A1 level** – beginner.  
Business: • **Running a business**; Negotiation Skills.  
• **Analysis and optimization of risk** associated with the purchase, implementation of new technologies, ordering services, implementation of new solutions, delegating work through outsourcing, designing new systems for companies, securing existing systems and infrastructure.  
• **Financial analyst**, create reports on financial flows, inventory, personnel and supporting planning in companies.

### *Interpersonal Skills*

- Management: • **Team management (experience +5 people)**.  
• **Project management (budget +0.5 million PLN)**.  
Training: • **Provision of training (experience +500 hours)**.  
Soft: • **Ability to motivate team**.  
• **The high level of personal culture**.

## Education

### *Academic Record*

- 2015–2017 • **Lublin University of Technology**: Master's degree in computer science (Networks).  
2010–2014 • **WSPA**: Engineering degree in computer science (spec. PiESI) – completed (Lublin).  
2001–2002 • **Wrocław University of Technology**: Engineering degree in computer science.  
1992–1997 • **Technical School in Swidnik**: The construction of airframes and helicopters.  
1983–1992 • Primary School No. 30 in Lublin.

### *Training Courses and Certificates*

- 2014–2015 • **CCNA Course** – CISCO Academy – WSPA – finished (Lublin).  
2013–2014 • **Microsoft SQL Server 2012** – Training Administration Server database and SQL programming language. This included issues related to Microsoft exams: 70-461, 70-462, 70-464, 70-465. Confirmed by obtaining a certificate.  
2012–2014 • **Training Administration FreeBSD** in the Inten data center.  
2009–2010 • **Red Hat Linux administration course** - webinar (Lublin).  
2004–2008 • **ERP Xpertis Macrologic** – training system administration and system programming languages Formula, Report and SQL97 MacroBASE – (Warsaw).  
2004–2005 • **Debian GNU/Linux** – administration course in the IT dep. of the LN (Katowice).  
1998–2004 • Participated in numerous lectures on Linux / Unix on UMCS - (Lublin).

# Experience

## *Employment Record*

- 2018–2019 • **Confidential client (Warsaw):** DevOps position. Designing and configuring infrastructure as a code (IAAC) for Flexible Engine Clouds, Openwatt (Openstack) using Terraform software, creating Kubernetes clusters, automating CI / CD processes, creating so-called "pipelines" for automated deployment of containerized applications in the Kubernetes cluster using GitLab / GoCd, monitoring clusters using Grafana / Prometheus, collecting logs Filebit / Logstash / Elasticsearch / Kibana, container application for Docker containers, hardening (hardening) applications, securing, etc;
- 2017–2018 • **Leon Software sp. z o.o. sp.k. (Warsaw):** DevOps position. Creating infrastructure as a code (IAAC) based on the AWS cloud, in the production of web software for fleet of aircrafts management (Python / BOTO3 / AWSCLI / BASH). System curing (hardening), implementation of solutions enhancing company security, network systems, infrastructure (administration of Ubuntu servers, MySQL databases, ZFS file systems, NetGear network devices and Mikrotik, implementation of VPN systems - OpenVPN / IPSEC). Programming and implementation of new solutions and services supporting the work of a team of developers;
- 2012–2017 • **Bright Group sp. Z o.o. - Futurehost.pl, Inten J.G. (Lublin, Rzeszów):** Server administrator position. Administration of clusters consisting of several dozen Linux / FreeBSD servers, administration of database servers (Oracle, MSSQL, MySQL), hosting servers (Direct Admin), dedicated servers and VPS running Windows Server, Linux Debian, Linux RedHat and FreeBSD. Writing advanced Exim configuration rules (MTA), Dovecot, ProFTPd, Direct Admin and DNS administration (Bind, Djbdns). Configuration and security of HTTP / PHP services (Apache, NGINX) and HA configuration (performance and reliability). Writing Sh / Bash / Awk scripts that automate the work of servers and monitoring scripts. Securing servers against failures, proactive monitoring (and automating this process) as well as disaster recovery (emergency recovery). Log analysis and server monitoring. Configuration of CISCO CCNA / CCNP devices.
- 2010–2012 • **Freelancer (Lublin, Wrocław, Warsaw):** Nationwide IT orders, computer network installations, CISCO devices, VPN connections, implementation of backup systems, programming, creating reports, financial analytics, IT and sales training, cooperation with several companies under civil law contracts.
- 2004–2010 • **Laboratories of Nature and subsidiaries (Lublin, Katowice, Czech Republic, Slovakia, Europe):** IT department management, project management, coordination of administrators' work, network and server infrastructure architect. Network administration, Linux servers, Windows, ERP Xpertis Macrologic software, Kamsoft (Oracle), MSSQL, PostgreSQL. Supervision and coordination of outsourcing and implementation work carried out by external companies. Conducting internal audits and creating a security policy. Conducting IT trainings for employees and administrators. Participation in obtaining EU subsidies. Creating financial and storage reports and financial reports. I had several Linux, Windows, XEN servers and several dozen workstations in my mother company and dozens in subsidiaries.
- 2001–2008 • **Lancraft (Wrocław, Lublin, Warsaw):** IT Administrator position. Outsourcing, IT editorial staff (editor-in-chief IT publishing), coordination of the work of the editors, supervision of the DTP composition, supervision of computer graphics in the editorial office, 3D modeling (3D Studio Max), helpdesk service, administration of computer networks and CISCO devices, servers with Novell Netware, Suse Linux, RedHat Linux, Windows, assembly of computers and servers, trade.
- 1997–2001 • **Freelancer (Lublin, Amsterdam The Netherlands, Manchester UK):** IT orders for creating websites, multimedia presentations, non-linear video editing, assembling computers, 3D modeling, DTP, configuration and administration of Linux servers, district network administrations and IT trainings.

## Experience (continued)

### *Projects Contribution*

- 2015-2017 • **Lublin University of Technology:** Foreman during computer science study.
- 2012-2016 • **Inten/Bright Group:** Creating scripts to automate and multiple implementation of software for servers and hosting clusters (eg futurehost.pl).
- 2010-2014 • **WSPA:** Member of the Scientific Association of Students of Computer Science.
- 2008-2009 • **Kamssoft:** Deployment of KS-CRM in the LN company – (Lublin, Katowice, Poland).
- 2004-2010 • **Laboratoria Natury:** Participation in obtaining grants from the EU and then purchase the software and servers, and ERP implementation Xpertis Macrologic, allowing increase efficiency of the company and achieved significant financial savings.
- 2004-2006 • **Record System:** Cooperation in the development of integrated ERP software – supporting the management of a company called "Anaconda" - (Lublin, Warsaw).
- 2001-2004 • **Laboratoria Natury:** Building of IT infrastructure, networks, servers, installations, purchase and configuration of workstations and, financial and accounting software.

### Miscellaneous

- Driving license: • Categories: B, B1, AM.
- Interests: • IT security, Android (root, S-OFF, modifications), AI (TensorFlow, GPU, CUDA, Python), audio processing, OpenWRT, electronics (Atmel AVR), automotive, bicycle, stock market, binary economics, politics, amateur radio (VHF radio, SDR, FreeDV, Codec2), travels. More at: [www.komada.org](http://www.komada.org)
- Disclaimer: • I certify that the above information provided by me is true.