Alexey Vekshin

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Senior Infrastructure Engineer

I am a Unix, Database and Network Engineer and Software Developer with over 25 years of experience. I have held various roles such as ERP developer, Oracle DBA, Unix and VMWare engineer, network designer, Data Centre architect, and Infrastructure Team Leader.

My main areas of expertise are Unix/Linux server and application administration, LANs, virtualisation with VMware, IaC and automation, monitoring, DBMS, scripting and software development. I am always eager to learn new technologies and languages, and to try things I have never done before.

SKILLS

Automation	Ansible, Terraform; GitLab, GitHub
Cloud	AWS, Y.Cloud; DigitalOcean, fly.io
Database	Oracle PL/SQL, EM, AWR, OPatch, DP, ETL; EE & XE
Datacenter	HPE Primera, Brocade FC, Cisco Nexus; APC Symmetra & NetBotz
Enterprise	Samba AD, CommuniGate, Postfix, Squid
Linux	RPM, packer, OVF, cloud-init, systemd, LVM, iptables
Monitoring	Prometheus, Grafana, Nagios, SmokePing
Networking	Cisco, Juniper, HP, Mikrotik, Ruckus; NetFlow, QoS, SNMP, BGP
OS	Linux, OpenBSD, MacOS, Windows
Programming	Go, Python, Ruby, shell, Perl
Security	FortiMail, KAV, IronPort, ASA; Radius, OpenSSL CA, VPNs
Servers	HPE Proliant, Dell PowerEdge
Services	LDAP, DNS, NTP, DHCP, TFTP, NFS, LPD, syslog, rsync
Technologies	Docker, Kafka, SQL DBs, Redis, REST & GRPC APIs, Jaeger

RECENT EXPERIENCE

Infrastructure Team Leader   2021 – 2022
Maxidom and Castorama LLC   *Saint Petersburg and Moscow, Russia*

- Led a team of 3 to 6 engineers during the Castorama merger, doubling the LAN size of our enterprise
- Took over the control of 15 stores on a tight schedule with minimum disruption (overnight migration)
- Re-used existing Cisco LAN and WLAN equipment, provisioned redundant WAN/VPN links to HQ
- Deployed servers (HPE Proliant, VMWare ESXi, SuSE Linux) and services (AD, file, mail) to the stores
- Migrated 600 mail and AD accounts from Office365, automated account provisioning and lifecycle

Data Centre Architect   2019 – 2021
Maxidom LLC   *Saint Petersburg, Russia*

- Sized and designed 2 similar VMware vSphere data centres to host Enterprise apps serving 3000 users
- Set up 20 servers (HPE ProLiant), storage (HPE Primera), SAN (Brocade) and LAN (Cisco), UPS (APC)
- Configured ESXi and vCenters with HA, provided LAN, backup, and monitoring services with Ansible
- Migrated AD, mail, Oracle and ERP from old DC, supervised data migration and seamless switchover

Senior Infrastructure Engineer   2015 – 2019
Maxidom LLC   *Saint Petersburg, Russia*

- Automated all aspects of LAN and infrastructure apps deployment and maintenance with Ansible
- Developed blueprints for branch LAN (Juniper), WLAN (Ruckus), servers (ESXi on Proliant) and services
- Deployed several Oracle DBs for OLTP/DSS and data replication, implemented ETL tasks and DB cloning
- Migrated corporate e-mail to CommuniGate server (1000 users) with FortiMail antispam relays
- Modernized monitoring with Prometheus metrics, Grafana dashboards and Telegram notifications

EDUCATION

Master of Science in Microelectronics, *Saint Petersburg State Technical University*	1991 – 1997
Middle Go Software Develper, *ozon.ru and route256*	2023