



Michael Fedorovsky

System Administrator | IT Infrastructure Specialist | Network & Server Engineer

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Dedicated System Administrator with 2 years of hands-on experience managing Linux/Windows server infrastructure, user environments, and network systems. Skilled in Active Directory, group policy management, server deployment, virtualization, cloud integration, and enterprise backup solutions. Built 100+ automation tools and scripts that streamline IT operations, reduce downtime, and improve system reliability. Passionate about infrastructure stability, security hardening, and team enablement through smart automation.

🔧 TECHNICAL EXPERTISE

Server OS	Linux: Ubuntu Server, Debian, RHEL, Alpine, CentOS • systemd, cron, SSH, PAM, syslog • Windows Server: 2016/2019/2022, roles & features, IIS, DNS, DHCP
Active Directory	AD DS setup & management, Group Policy (GPO), OU structure, user/group provisioning, password policies, domain join automation, LDAP integration
Networking	TCP/IP, DNS, DHCP, VLANs, firewall rules (iptables, UFW, Windows Firewall), VPN (WireGuard, OpenVPN), routing, switching, network monitoring
Virtualization	Proxmox, VMware ESXi, Hyper-V, KVM/QEMU • VM provisioning, templates, snapshots, live migration, resource management, HA clustering
Cloud Integration	AWS (EC2, S3, IAM, VPC, Route53), Azure (VMs, Entra ID, Azure AD, Blob Storage), GCP (Compute Engine, Cloud Storage) • hybrid cloud setups
Containers	Docker, Docker Compose, Podman • container deployment, networking, volumes, registry management, self-hosted services
Automation & IaC	Ansible: Playbooks, roles, inventory management, server provisioning • Terraform: Infrastructure provisioning • PowerShell DSC
Scripting	Advanced PowerShell & Bash • User provisioning, log parsing, automated maintenance, scheduled tasks, system health checks, reporting
Monitoring	Prometheus, Grafana, Zabbix, Netdata, Checkmk, ELK Stack, Datadog, Uptime Kuma • alerting, dashboards, log aggregation, SLA tracking
Storage & Backup	NFS, SMB/CIFS, iSCSI, RAID management • Backup solutions: Macrium Reflect, Veeam, Restic, BorgBackup, automated multi-tier backup strategies
Security	SSH hardening, fail2ban, firewall policy, certificate management (Let's Encrypt), Vault secrets, antivirus deployment, patch management, audit logging
Web/Proxy	Nginx, Apache, Traefik, HAProxy • Reverse proxy, SSL/TLS termination, load balancing, virtual hosts, self-hosted service management
Databases	PostgreSQL, MySQL, MariaDB, MongoDB, Redis • Installation, user management, replication, automated backups, performance tuning
Remote Mgmt	SSH, RDP, WinRM, IPMI/iDRAC, TeamViewer, AnyDesk • remote administration, headless server management, out-of-band access
Email & Collab	Postfix, Dovecot, email relay configuration, spam filtering, Slack/Teams integration, Jira, Confluence, ticketing systems
Troubleshooting	Root cause analysis, event log review, network packet analysis (Wireshark), performance profiling, incident response, documentation

💼 PROFESSIONAL EXPERIENCE

System Administrator @ TovTech

2 Years

- Managed Linux & Windows server infrastructure supporting production applications with 99.9% uptime SLA
- Designed and maintained CI/CD pipelines, automated deployments, and server provisioning using Ansible & Terraform
- Administered user accounts, permissions, and group policies across Linux and Windows environments
- Deployed and maintained full monitoring stack: Prometheus, Grafana dashboards, ELK log aggregation, alerting
- Built automated backup system for databases, filesystems, and VM snapshots with rotation and integrity checks
- Configured Nginx reverse proxy, SSL/TLS certificates, Cloudflare CDN, firewall rules, and DDoS protection
- Reduced manual IT tasks by 70% through PowerShell/Bash automation scripts for routine maintenance

🛠️ INFRASTRUCTURE PROJECTS & TOOLS

Server Automation Suite Ansible • Terraform • PowerShell Full server provisioning automation: OS setup, user creation, package install, firewall rules, SSH keys, monitoring agents	Proxmox Virtualization Lab Proxmox • KVM • VMware • Hyper-V Multi-host virtualization cluster with VM templates, live migration, HA, automated snapshots, resource monitoring	Backup Orchestration System PowerShell • Restic • PostgreSQL Multi-tier automated backup: databases, filesystems, VM snapshots with scheduling, rotation policies, integrity verification
StartupMaster System Tool C# • .NET • Windows Admin Windows startup manager with boot impact analysis, service optimization, system tray integration, auto recommendations	Windows System Repair Suite PowerShell • DISM • WMI Automated repair toolkit: Win11Reset, Win11Repair, PrebootRepair - one-click OS diagnostics, recovery, SFC/DISM automation	Monitoring & Alerting Stack Prometheus • Grafana • Zabbix • ELK Enterprise observability: server metrics, log aggregation, custom dashboards, PagerDuty alerting, 40+ tool integrations
Self-Hosted Service Platform Docker • Nginx • Traefik • SSL Dockerized self-hosted services with reverse proxy, auto SSL, Cloudflare integration, DNS management, health monitoring	Network Optimization Tool PowerShell • Network Diagnostics MaximizeEthernet - automated LAN tuning, DNS optimization, latency reduction, bandwidth testing, interface configuration	User Provisioning Automation PowerShell • Bash • LDAP Automated user lifecycle: account creation, permission assignment, home directory setup, email config, offboarding cleanup
Patch Management System Ansible • PowerShell • Scheduling Automated OS and package patching across Linux/Windows fleets with rollback capability, reboot scheduling, compliance reporting	SSL Certificate Manager Let's Encrypt • Nginx • Certbot Automated SSL certificate issuance, renewal, deployment across all servers with expiry monitoring and alerting	Log Analysis AI Tool Python • ELK • AI/LLM AI-powered server log analysis: anomaly detection, pattern recognition, automatic incident triage, root cause suggestions
AndroidMonitor Device Mgmt C# • ADB • Real-time Monitoring Cross-platform device management via USB: health checks, storage analysis, app management, system log collection	DB Administration Toolkit PostgreSQL • MySQL • Python Database health monitoring, query analysis, performance tuning, automated backups, replication setup, alerting dashboards	Multi-Cloud Infrastructure Terraform • AWS • Azure • GCP IaC-managed hybrid cloud environments with VPN tunnels, shared storage, unified IAM, cost monitoring, auto-scaling
Firewall & Security Hardening iptables • fail2ban • Vault • Snyc Server security automation: firewall rules, intrusion prevention, SSH hardening, secret rotation, vulnerability scanning	IT Inventory System Python • Database • Reporting Asset tracking: hardware specs, software licenses, warranty dates, network topology, automated discovery, reporting dashboards	Shell Automation Suite Bash • PowerShell • Cron 100+ production scripts: server health checks, log rotation, disk cleanup, service restarts, performance reporting, alerts

🎓 EDUCATION & CERTIFICATIONS

Data Analysis & System Administration Program

TovTech (1 Year) • Infrastructure automation, system diagnostics, server management

Engineering Preparatory Year

Ariel University • Physics, Mathematics, Technical English

Self-Taught Certifications

CompTIA A+/Network+ preparation • Linux Professional Institute (LPI) • AWS Cloud Practitioner