

Ionut Adrian Ciolan

SYSTEM ADMINISTRATOR

tel:+40736556762 (+40) 736-556-762 | mailto:iadrian.ciolan@gmail.com iadrian.ciolan@gmail.com | https://git.ciolan.net/iAdriangit iAdrian | https://www.linkedin.com/in/ionut-adrian-ciolan-b96a69b9 ionut-adrian-ciolan-b96a69b9 | ciolansteen@live.com

Education

,“Titu Maiorescu” University

MASTER STUDIES IN CYBER SECURITY

Bucharest, Romania

Jul. 2025

,“Spiru Haret” University

BACHELOR’S DEGREE IN MUSIC PEDAGOGY

Bucharest, Romania

Jul. 2012

Skills

Comfortable Linux Distros	ArchLinux, Debian
Shells	Bash, Zsh, Fish
Scripting	Bash, Python, Perl, JavaScript
Databases	MySQL/MariaDB, PostgreSQL, Elasticsearch
Networking & VPN	OpenVPN, Tinc VPN, PowerDNS, BIND, VLANs, DHCP
Storage & Filesystems	ZFS, LVM, RAID
Monitoring	Zabbix, Nagios, Monit
DevOps Tools	Docker, Git, Ansible, .deb/.rpm Packaging
High Availability	Keepalived, MySQL Replication, Failover
Markup	Markdown, HTML, CSS, L ^A T _E X
Virtualization	Proxmox, KVM, Citrix-Xen, VmWare
Cloud & Hosting	Hetzner, Azure, AWS
Spoken	Romanian, English

Experience

NetConnect Group

Bucharest, Romania (Remote)

SYSTEM/NETWORK ADMINISTRATOR & DEVOPS ENGINEER

Mar. 2024 - Present

- Infrastructure & Automation
 - Designed and deployed production High Availability DNS infrastructure using PowerDNS, MySQL Master-Slave replication, and Keepalived VIP failover serving 20+ zones with automatic failover/failback mechanism
 - Developed custom automation tools including parallel OCR indexing system (48+ workers) reducing Nextcloud indexing time from 77 days to hours using Python multiprocessing and Tesseract OCR
 - Built infrastructure management CLI tool (InfraManager) for dynamic service/node orchestration with YAML-based state tracking
 - Automated SSL/TLS certificate management across multiple servers using certbot, Ansible, and custom bash orchestration
- Migration & Integration
 - Migrated legacy Xen virtual infrastructure to Proxmox/KVM using custom Python/Bash tooling
 - Maintained and integrated telecom services: CDR processing, portability systems, FreeSWITCH VoIP infrastructure
 - Implemented Elasticsearch indexing with Nextcloud-compatible format for full-text search
- **Technologies:** PowerDNS, MySQL/MariaDB, Keepalived, Docker, Python, Bash, Ansible, Elasticsearch, Proxmox, Zabbix

RnD Software Group

SYSTEM / NETWORK ADMINISTRATOR

Bucharest, Romania

Apr. 2021 - Mar. 2024

- Infrastructure & Virtualization
 - Deployed and managed Proxmox KVM clusters on Hetzner bare-metal infrastructure with ZFS RAID1 storage
 - Designed multi-tier networking: VLANs (10.249.0.0/16), NAT networks (10.248.x.x/24), centralized DHCP
 - Built Debian VM templates with automated provisioning (LVM, qemu-agent, Docker pre-installed)
 - Migrated legacy virtual infrastructure to newer Proxmox clusters with minimal downtime
- Monitoring & Automation
 - Deployed Zabbix monitoring infrastructure with Ansible automation (agent deployment, configuration management)
 - Created custom automation scripts: PostgreSQL backups, integrity checks, system maintenance
 - Managed multi-site VPN infrastructure: OpenVPN (multi-port routing), Tinc VPN for site-to-site connectivity
- **Technologies:** Proxmox, KVM, ZFS, Ansible, Zabbix, OpenVPN, Tinc, Docker, PostgreSQL, Debian Linux, Hetzner Cloud

mySMTP.dk

SYSTEM ADMINISTRATOR AND DEVELOPER

Bucharest, Romania

Apr. 2015 - May 2021

- System Administration and Troubleshooting
 - virtual machines building/deployment/management using Citrix XenServer / VmWare VSphere resources allocation based on user's needs
 - services configuration (virtualized linux): network / firewall setup, rotating IPs, dns, httpd, mysql, postfix, policyd, monit, nagios and custom built daemons and scripts, etc
 - perform routine/emergency maintenance of linux machines (install security patches, software deployments/upgrades/downgrades, (etc).
 - inhouse .deb packaging and apt repo server administration (setup the repo serve, sign packages using GPG, maintain the repo)
 - mailserver routing using buffer servers to facilitate sendings for vip clients, throttling and transport-based rotating ip setups
- Support
 - troubleshooting problems with linux services in use
 - receiving / resolving tickets and offer support on call/remote
- Development
 - automation scripts for managing local services (apache, postfix, cluebringer (policyd), mysql, dnsmasq) and syncing/updating machine's info and statistics with the dedicated platform's web app (dashboard), using Bash / Perl
 - web applications for the admin & user dashboard of the dedicated platform using Perl (cgi) and Shell scripting
 - smtp.dk shared website part of development including frontend development (using HTML / CSS / JavaScript for creating custom content/apps over Joomla Framework) as well as backend development (Perl modules for an - in house built - services spawner)
 - development of the smtp.dk shared website's user dashboard application using PHP / JavaScript

UTI GRUP

SOFTWARE IMPLEMENTATION AND SUPPORT SPECIALIST

Bucharest, Romania

Apr. 2014 - Apr. 2015

- Installing and maintaining software on UTI equipments for RATB (now STB - Bucharest Transport Company).
 - on site installation and configuring OS (Windows) and proprietary software for ticket offices equipment
 - on site hardware troubleshooting, maintenance and/or replacement for ticket offices equipment
 - remote support for ticket offices
 - NFC equipment installation, troubleshooting and repair
- troubleshooting - repairs including cabling, computer and network configuration for other UTI clients (ALPA - Lakes, Parks and Recreation Administration of Bucharest

Self-employed

FREELANCER

Bucharest, Romania

Jan. 2010 - Apr. 2014

- Linux system and network administration for small businesses
 - Server configurations: apache, postfix, bind, ftp, openvpn, firewall, sshd
 - NAS configurations and network infrastructure setups
 - Web development and system integration projects

La Fantana

IT SUPPORT ADMINISTRATOR

*Bucharest, Romania**Jun. 2008 - Sep. 2009*

- Windows Server 2008 administration (Domain/User Management), workstation support, VoIP equipment setup and maintenance

Macsys-Conectix

NETWORK TEAM LEAD

*Bucharest, Romania**Oct. 2005 - May. 2008*

- Led network infrastructure teams for UPC (Astral Telecom) projects: task organization, workflow management, quality control, and technical escalation
- Hands-on network deployment: Optical Fiber soldering, CATV/UTP cabling, multi-OS client setups, Linux server configuration (DHCP, iptables)