

# Ionut Adrian Ciolan

SYSTEM ADMINISTRATOR · DEVOPS

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## Education

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### „Titu Maiorescu” University

MASTER STUDIES IN CYBER SECURITY

Bucharest, Romania

In progress...

### „Spiru Haret” University

BACHELOR'S DEGREE IN MUSIC PEDAGOGY

Bucharest, Romania

Jul. 2012

## Skills

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<b>Comfortable Linux Distros</b>	ArchLinux, Debian, RedHat
<b>Shells</b>	Bash, Zsh, Fish
<b>Scripting</b>	Perl, Shell, JavaScript
<b>Monitoring</b>	Nagios, Monit, Zabbix
<b>DevOps Tools</b>	Docker, Git, .deb Packaging
<b>Markup</b>	Markdown, HTML, CSS, L <sup>A</sup> T <sub>E</sub> X
<b>Virtualization</b>	KVM, Citrix-Xen, VmWare, Proxmox
<b>2D Graphics</b>	Krita, Inkscape, Adobe Photoshop, Adobe Illustrator, Corel Draw
<b>3D Graphics</b>	Blender
<b>CADesign</b>	FreeCAD, KiCad
<b>Spoken</b>	Romanian, English

## Experience

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### RnD Software Group

SYSTEM / NETWORK ADMINISTRATOR

Bucharest, Romania

Apr. 2021 - Present

- System Network Administration
  - The same kind of job as with mySMTP, only using maybe slightly different tools - Zabbix instead of Nagios / monit, mostly KVM / Proxmox for virtualization, but overall the same System Administrator job

### 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**

*Bucharest, Romania*

### **SOFTWARE IMPLEMENTATION AND SUPPORT SPECIALIST**

*Apr. 2014 - Jul. 2014*

- 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**

*Bucharest, Romania*

### **FREELANCER DURING STUDIES ON SPIRU HARET MUSIC UNIVERSITY AND 2 YEARS AFTER**

*Jan. 2010 - Apr. 2014*

- Projects for personal usage and small businesses (real estate firms, computer shops, etc) including:
  - Linux desktop configurations (DE, WM installation / configuration) for clients wanting to migrate on linux but keep a traditional interface look to make the transition smoother
  - Linux server configurations (apache, postfix, bind, ftp, openvpn, firewall, sshd)
  - NAS configurations based on linux and/or embedded linux
  - Network setups (cabling, routers setup, switches installations)
  - Web Development
- DTP work for various small advertising firms (most relevant: Complete Image, Brasov)
  - graphics for: business cards, flyers, meshes /banners, logos, catalogs / brochures, posters, etc
- Music transcription for various projects including the "LearnToPlay" app (not available on AppStore anymore)

## **La Fantana**

*Bucharest, Romania*

### **IT SUPPORT ADMINISTRATOR**

*Jun. 2008 - Sep. 2009*

- System Administration for Windows server 2008
  - Domain Management
  - User Management
- System Administration for Windows workstation
  - users setup on client side (user deploy enrollment)
  - data backup, restore and recovery
- Computers and other office equipment repair and maintainance (printers, print servers, copy machines)
- VoIP equipment setup and maintenance for internal communication

## **Macsys-Conectix**

*Bucharest, Romania*

### **NETWORK TEAM LEAD**

*Oct. 2005 - May. 2008*

- Managing network infrastructure teams on projects for UPC (Astral Telecom)
  - Receiving project tasks from UPC
  - Organising tasks among the specialised teams
  - Managing the workflow for high efficiency
  - Quality control after each task was completed
  - Reporting back to UPC about both completed and in progress tasks
  - Analysing (system/technological) situations which exceed the competence of the team and forwarding the issues towards the relevant higher level departments
  - Managing working materials for the teams
  - Participating in meetings concerning the infrastructure expansion and our role in it
- Hands-on cabling and network configuration for UPC and own clients of Macsys-Conectix
  - Optical Fiber soldering, Cabling CATV, UTP
  - Client side network setup for different Oses (Windows, Linux, MacOS)
  - Server side network setup for Linux (DHCP, iptables)
  - Network Troubleshooting