

# Curriculum Vitae

## Personalialia

Name	Groot, de
Firstname	Attila
Address	Pretoriadreef 26
Zipcode	3564BX
City	Utrecht
Phone	+31 (0)6 45788080
E-mail	attilla@attilla.nl
Birthday	15th January 1984
Birthplace	Nieuwegein, Netherlands
Nationality	Dutch
Languages	Dutch, English

## Education

2013 – 2014	NOC-NSF/Taekwondo bond - Taekwondo trainer license
2008 – 2009	University of Amsterdam – MSc, System and Network Engineering (SNE)
2005 – 2008	University of Zuyd, Heerlen – BSc, Network Infrastructure Design
2000 – 2002	ROC Utrecht – ICT beheer
1996 – 2000	Oosterlicht College, Nieuwegein – MAVO

## Certification

Februari 2016	Huawei HCIE R&S #3494
August 2014	Huawei HCIE Written
June 2014	Cisco CCNP Troubleshooting (renew)
February 2014	Juniper JNCIA
October 2011	Zabbix Large scale administrator
May 2011	Cisco CCNP Troubleshooting (renew)
June 2008	Cisco Certified Network Professional
May 2008	Cisco 642-587 AWLANFE
January 2007	Cisco Certified Network Associate
December 2002 MCP	Microsoft Windows 2000/XP

## Work experience

Mar '16 – Current *Systems Engineer*

*2018: Sr. Systems Engineer*

*2020: Principal Systems Engineer*

*Cumulus Networks*

Cumulus Networks has developed the first true, full-featured Linux operating system for networking hardware. In combination with the orchestration and automation of datacenters, a Linux NOS provides highly scalable infrastructures.

As an SE for Cumulus I assist customers with proof of concepts, designs, technical presentations, pre-sales training and solution demonstrations.

A few keywords: BGP, VXLAN, Linux, Ansible, Vagrant, Python

Sep '13 – Mar '16 *Senior Solutions Consultant*

*TenICT*

I started as a senior network engineer for a number of long term projects (Routing, Switching, Wifi). After a year I moved to doing full-time projects (designing and building networks). Most projects were based on public tenders and involved migrating a current infrastructures from several different to the new network. When the new BU Solutions started in 2015 I joined the BU and continued the above as lead consultant for various complete network solutions, mainly based on the Huawei and Fortinet products. I made the technical designs, migration plans and technical presentations. Migrations from several different vendors to the previously mentioned vendors. Utilizing open-source tools, making technical designs. A few keywords: Routing, switching, wifi, security, BGP, OSPF, ISIS, MPLS, VPLS, SSO, VPN.

Sep '12 – Sep '13 *Senior Network Engineer*

*Infostrada Creative Technologies*

Infostrada is part of the Consolidated Media Industries (CMI) holding, which contains several companies involved in creating, processing, and distributing media.

As network engineer I was responsible for the network management and design. The Infostrada production network is used for low-latency media editing, a streaming platform for the dutch Premier League, and a large video on demand/content distribution network.

The network (AS34756) is based on Juniper MX (480s), SRX and several types of Brocade (RX, FESX, FLS) hardware.

- May '12 – Sep '12 *Network Engineer*  
*Atrato IP Networks*  
 Atrato IP Networks delivers colocation, MPLS solutions and IP-transit services at over 60 MPLS/IP pops and currently building presence in Russia/Asia as well. Atrato specializes in remote peering at Europe's largest internet exchanges. As a network engineer I'm responsible for managing the platform by using all applicable technologies in a multivendor environment (Brocade MLX/XMR, Juniper EX).
- Sep '09 – May '12 *Network Engineer*  
*Amsterdam Internet Exchange*  
 The Amsterdam Internet Exchange is one of the largest internet exchanges in the world. During my time here I was part of the network engineering team that had the responsibility of maintaining the peering network and developing/researching new techniques and services. The tasks at AMS-IX are diverse, A few applicable keywords: Ethernet, Switching, Routing, MPLS, VPLS, BGP, Monitoring, Perl, 100GE, DWDM, Brocade (MLX), Juniper (J-series, SRX).
- Jun '09 – Jul '09 *SNE student research project 2*  
*Amsterdam Internet Exchange*  
 During this project the PIM-snooping functionality in Brocade hardware was researched. This implementation would have made it possible to allow multicast traffic in the AMS-IX peering platform. The research showed several implementation bugs which prevented the functionality to be actually implemented.
- Jan '09 – Feb '09 *SNE student research project 1*  
*NLnet Labs*  
 For this research project I researched the open implementation of the Locator ID Separation Protocol (LISP). This protocol is one of the IETF proposals to solve the growth of the BGP table.
- Feb – Sep '08 *Network consultant*  
*Hewlett Packard Nederland*  
 The HP Network solutions group was one of the few Cisco worldwide gold partners. Before starting my master I designed and implemented wireless networks based on the Cisco Unified solution and specialized in access security(802.1x).

- Aug '07 – Jan '08 *Graduation internship*  
*KPN Telecom N.V*  
 As graduation internship I wrote a report about the security of the KPN managed services systems. This mainly concerned the authentication, authorization, and auditing for their unix environment (aix, hp-ux) and linux systems. The security was meant to be implemented with the centralized tool "BoKS".
- Feb '06 – Jan '08 *VoIP consultant*  
*You Me and VoIP*
- 2004 – Jan '05 *NOC support engineer*  
*SpeedXS B.V.*
- 2002 – 2004 *Support medewerker*  
*Qmagic B.V.*
- 2001 – 2002 *Junior system engineer*  
*Bol.com B.V*

## Personal occupation and experiences

- 2001 - present *Engineer*  
*Security community events*  
 Since 2001 I have been volunteering as an engineer at community driven security events. These events are: The annual CCC congress, 4-yearly dutch outdoor congress, and 4-yearly german outdoor congress.  
 For these events an ISP grade network has to be build in a short time span, usually in less than 5 days. This done with sponsored hardware from several major vendors like Juniper (MX/EX), Brocade (MLX), HP (Procurve), and Cisco (WLC, WCS, Prime). The last few years I've been focussing on building the wireless network on these events. Wireless usage has become more dominant over the last few years, with over 5000 concurrent users at the CCC congress in 2013.  
 For OHM2013 I have coordinated the network team of 25 volunteers.