

# Curriculum Vitae – Raymond Schaeken

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## Personal Details

**Name** Raymond Schaeken  
**place of residence** Gangelt (North Rhine-Westphalia, Germany)  
**Date of birth** 12th of August 1970  
**Email** [Raymond.Schaeken@T-online.de](mailto:Raymond.Schaeken@T-online.de)

## Personal characteristics

... With more than 20 years of knowledge and experience in Design, Implementation and Troubleshooting of secure Networks and Infrastructures, I have been supporting (remote and on-location) various large customers spread over the world, with mainly Internationally orientated communication.

Specialised on building SIEM solutions, pentesting and Secure (Hybrid)-Cloud Migration/solution.

Experience: Firewalling, Routing, Switching, IPAM/DNS/DHCP, Linux/Unix/Microsoft, Amazon cloud management/migration/implementation, network security (CEH/ESCA), traditional/virtual datacenter design and implementation, design/implementation multi-factor authentication, design/implementation VPN technologies, infrastructure monitoring, Siem-solutions, OWASP, Docker, ElasticSearch, Kibana, Logstash, SecurityOnion, Office365, Azure...

## Education

**General** HTS Information Technology

### **Technical (certified)**

Working on all 8 AWS certifications  
ECSA - EC-Council Certified Security Analyst - Licensed Penetration Tester  
CEH - EC-Council Certified Ethical Hacking  
CICA: Infoblox NIOS 5.1 Configuration Exam v2  
CICE: Infoblox Advanced Administration 5.1 Examv2  
CICA: Infoblox DNS & DHCP Protocol Exam  
CISA: 5.0r1 Infoblox for resellers  
CCNA, CCNP  
MCSE - Microsoft Certified Systems Engineer  
CNE - Certified Novell Engineer

### **Other IT education**

- Amazon Cloud (Chef, Cloud Formation, VPC design/implementation, Cloudwatch, Route53, routing, security, IPSEC-VPN, etc.)
- Ethical Hacking and Penetration testing
- Vulnerability scanning/security Distros like Backtrack, Live hacking, Kali,
- Docker, metasploit, OWASP, etc.
- IOT devices like raspberry pi, luminaires, cameras, etc.
- MPLS and some ATM in the early days
- Cisco Global & Local Loadbalancing
- Cisco Securing Networks with ASA
- Cisco Routing BGP/OSPF/RIP
- Cisco Switching
- RSA Radius/Tacacs
- Building Cisco Multilayer Switched Networks
- CiscoWorks Campus Manager
- CiscoWorks Resource Manager Essentials
- Proxies (Cisco Ironport, Squid, Bluecoat)
- DNS Infoblox NIOS Configuration
- Lucent VitalQIP/Infoblox implementations
- Radware Loadbalancers installation & Configuration
- Juniper/JUNOS configuration and advanced routing
- Troubleshooting Juniper/JUNOS Routers
- Fortinet Firewall Installation, Configuration & Management
- Checkpoint Firewalling

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- Tipping Point IPS Advanced Installation & Management
- BIG IP F5 Loadbalancers
- Network troubleshooting tools Wireshark, Sniffer Pro, tcpdump, etc.
- Network Monitoring HP Openview Network Node Manager
- Novell Netware Green River First Class
- System 10: Fast track to Sybase
- System 10: Introduction to SQL
- Oracle 7 voor database administrators
- Oracle 7, SQL en SQL Plus
- System 10: System and Database administration
- Advanced Arcserve administration
- UNIX Systemadministrator (BSD, SystemV, Next Step, HP-UX)
- Linux (Redhat, Ubuntu, Suse)
- Windows NT,2000/2003/2008/Windows7
- Vmware, VirtualBox, Citrix
- Change-management tools like IBM Maximo, Remedy, ManageNow, etc.

## Non IT related education

- I.P.R.A. (International Public Relations Association)
- Private school Notenboom Euromanagement (NIMA-A, IPRA)
- Perception, correct interpretation, effective communication
- ITIL Foundations

## Languages

Dutch	Mother tongue
English	Fluent
German	Fluent

## Work experience

### Period of time

11/2016 – present

### Company

Novaccent B.V.

### Customer

Several mid-size and large customers(home-office)

### Role

CyberSecurity Consultant/engineer@SOC

### Tasks

Secure Network/Cloud infrastructure Design

Pentesting and Design/implementation of SIEM/security-monitoring solutions for customers:

- Introduction SIEM Solution
- Infra scan/review, determine sensor locations, determine log and traffic collection.
- Design and implement SIEM solution based on input scan phase
- Create use-cases to alarm for
- Monitoring the SIEM solution
- Adjust SIEM solution where needed to adapt new situations, new threats
- Periodical meetings customer regarding findings, changes etc.
- Periodical Pentests Customer environment.

Experience: Ubuntu, Windows2008/2012, Windows7, Docker, metasploit, Kali Linux, OWASP,elasticsearch(ELK stack), SALT automation/orchestration, kibana, logstash, winlogbeat, securityonion nsm, eventlog/syslog monitoring, nagios/icinga, Office365 EMS, Azure, Firewalling, remote access, Jira, etc.

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<b>Period of time</b>	12/2014 – 11/2016
<b>Company</b>	Novaccent B.V.
<b>Customer</b>	CityTouch, Philips Innovation Services (Philips Lighting)
<b>Role</b>	Global IT Network/Cloud Specialist
<b>Tasks</b>	<ul style="list-style-type: none"><li>- Advice, design and implementation of Global Software Operations environment to centralise Management of worldwide customer environments based on mixture of Cloud and hybrid Cloud environments. This included advice on setup/change of company policies to make it possible that company infrastructure setup could grow to fit in new customers in this operations environment. Policies had to be created/adapted and implemented to make the way free to easy fit in new customers.</li><li>- Software Deployment Citytouch application on AWS in a 3-week cycle.</li><li>- Migration to Amazon Hybrid-Cloud environment</li><li>- Incident and Change coordination- Management Linux, Windows, Postgres environment</li><li>- Hybrid-cloud solution implementation (AWS and Fortigate)</li><li>- Consulting in complex Software and Network architecture</li><li>- IT Security Consulting</li><li>- Maintaining close relationships with providers and customers to create/maintain stable networks</li><li>- AAA Implementation</li><li>- Global Hybrid DNS environment design and implementation using combination of AWS Route53/native Bind9 through IPSEC between local and AWS</li><li>- Fortinet Firewall/IPSEC-VPN/NAT/BGP multi-VDOM implementation</li><li>- Amazon Cloud environment Design/Management/migration (CHEF, a bit Terraform, Cloudformation, Cloudfront, EC2, Elastic Loadbalancing, S3, IPSEC,RDS(Postgres),Route53,loadbalancing, IAM implementation, VPC design, different VPC peering/IPSEC scenarios implemented, Multi-vpc interconnections based on Fortinet Firewall/IPSEC Setup, Cloudwatch, autoscaling, launch-configurations, SES, EFS, ubuntu, etc.)</li><li>- Management of Hybrid environment (AWS Cloud and local datacenter)</li><li>- Management Linux, Windows, Postgres environment</li><li>- Consulting in complex Software and Network architecture</li><li>- IT Security Consulting</li><li>- Fortinet Firewall/VPN/IPSEC implementation</li><li>- Implementation/management Network monitoring (Nagios, Amazon Cloudwatch)</li><li>- JIRA, Confluence, Tortoise SVN, Postgres, SQL</li><li>- Scrum/Agile, DevOps</li><li>- Some Linux scripting, a bit YAML, powershell and some python basics.</li><li>- Pre-deployment activities with DevOps team.</li></ul>
<b>Period of time</b>	01/2014 - 11/2014
<b>Company</b>	Novaccent B.V.
<b>Customer</b>	NXP Semiconductors (founded by Philips), Home-Office/Eindhoven, Netherlands
<b>Role</b>	Connectivity Expert
<b>Tasks</b>	<ul style="list-style-type: none"><li>• Incident and Change coordination</li><li>• Project management</li><li>• 3rd Line support</li><li>• IPAM/DHCP/DNS Management and 3rd line support</li><li>• Internet Access/Proxy/Load-balancer Management</li><li>• Secure Token Authentication Management</li><li>• Remote Access SSL Management</li><li>• Third parties connectivity Management (VPN)</li><li>• Firewall Management</li><li>• QoS/Packetshaping/Loadbalancing</li></ul>

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<b>Period of time</b>	10/2010 – 11/2013
<b>Company</b>	Novaccent B.V.
<b>Customer</b>	AT&T Global Network Services USA / Home-Office/Hamburg
<b>Role</b>	IP Services Specialist
<b>Tasks</b>	<ul style="list-style-type: none"><li>• Worldwide Customer IPAM/DNS/DHCP Implementation and migration (Infoblox, VitalQIP, Microsoft DNS, Linux DNS). Guidance 2nd level team.</li><li>• 3rd line management, documentation and 3rd line troubleshooting of customer environments Worldwide (VitalQIP/Infoblox/Microsoft/linux)</li><li>• DNS security implementation projects(Kerberos, DNSSec, etc.) in Windows/Linux/VitalQIP/Infoblox environment.</li><li>• Kerberos cross-platform integrations/implementations for services using Kerberos authentication between Windows2000/2003/2008 and Linux/VitalQIP distributions</li><li>• Implementations High-Availability DNS and DHCP Failover environments for large customers.</li><li>• Occaissionally on-site migration/implementation support at Customer Location.</li></ul>
<b>Period of time</b>	03/2010 - 10/2010
<b>Company</b>	Novaccent B.V.
<b>Customer</b>	Several mid-size and large customers(home-office)
<b>Role</b>	Consultant Infrastructure Security (certified C EH and E CSA)
<b>Tasks</b>	<ul style="list-style-type: none"><li>• Project for Government: Technical Security Audit / Penetration test.</li><li>• Project for Government: Set-up security standards framework for a RFP. This is used as input for the technical and procedural security requirements for a supplier to comply with, regarding implementation and management.</li><li>• Project for Children Youth Care organisation: Black/White box vulnerability scan and Infra-security review and advise..</li><li>• Project for Callcenter Provider: Consultancy to advise on open source product solutions for communication Channels (like Asterisk) for audio, video, web chat, VOIP, etc.</li></ul>
<b>Period of time</b>	01/2006 - 03/2010
<b>Company</b>	KPN Dutch Telecom
<b>Role</b>	Technical Specialist/Consultant security (certified C EH and E CSA)
<b>Environment</b>	SAP hosting, shared/dedicated hosting stretched through several cybercenters, international wan, securing customer environments
<b>Tasks</b>	<ul style="list-style-type: none"><li>• Secure network design customer hosting (off-site/on-site). Design and technical projectleader.</li><li>• Security scanning and hardening customer Infrastructure and end-systems</li><li>• Design and implementation project vulnerability management/SIEM service to secure customer environments. Design and Technical projectleader. Piloted products tenable, Qualys, Solarwinds, Splunk, NetIQ.</li><li>• Internal penetration testing infrastructure, os, web, database, etc.</li><li>• Design and implementation secure infrastructure (ips, firewalls, honeypots, vpn, etc.)</li><li>• Technical project leader Implementation-project company security policy. Supervision/guidance of the other teams (windows, storage, databases, applications, etc.) during security policy implementation project.</li><li>• Accompany external security audits (SAS70, ISO27001, etc.)</li><li>• Design and implementation multi-firewall generic policy-for-policy procedure. Technical projectleader, design, supervision/guidance 2nd/3rd level network team</li><li>• Internal presentation for Management and consultants regarding security awareness</li><li>• Management advice Security</li><li>• Implementation TippingPoint IPS environment, Infoblox DNS/IPAM environment, SSL/s2s-vpn, Radius/ACE environment, multivendor firewall environments, ISMS Nessus based, OSPF routing, BGP, MPLS, VTP. Design and project planning.</li><li>• Implementation switch/routing infrastructure</li><li>• Management multivendor firewalls, IPS, VPN, routing/switching, multivendor load-balancers, AAA</li><li>• Implementation and Management Firewalls different brands (Juniper/Netscreen, Fortinet, Checkpoint)</li></ul>

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- Migration Client Infrastructure to Citrix/VMWare Environment project. Network-design technical projektleader.
- 3rd line troubleshooting

**Period of time** 03/2005 - 12/2005  
**Company** KPN Dutch Telecom  
**Role** Infrastructure & Security Specialist  
**Environment** SAP hosting, shared/dedicated hosting stretched through several CyberCenters, international wan, securing Customer environments

## Tasks

- Implementation project layer 2 QinQ tunneling connection through several cybercenters
- Migration projects customer infrastructure to company infrastructure. Technical project leader and supervision/guidance 2nd/3rd line Teams of other environments
- Unbundling customer network/infrastructure projects. Technical project leader and supervision/guidance 2nd/3rd line Teams of other environments
- Implementation project firewall environment
- Management network/Infrastructure, routers, switches, multivendor firewall environments, AAA, dns, proxy, radius, etc
- SSL/s2s vpn implementation project for customers
- Firewall management (Checkpoint, Juniper/Netscreen, Fortinet)
- 3rd line troubleshooting

**Period of time** 03/2004 - 02/2005  
**Company** Freelancer  
**Customer** Projects for several companies  
**Role** Network & Security Specialist  
**Environment** Infrastructure redesign

## Tasks

- Network redesign project: dmz, firewalls, topology, vlanning, security, routing, spam/virus/url filtering, monitoring. Design, presentation, implementation
- Windows environment redesign project: AD, software distribution, anti-virus, exchange environment, web/proxy/dns services. Design, presentation, implementation
- Implementation project Juniper firewall environment.
- Design and implementation project customer environment based on VPN technology.
- Network Security presentation/advice customers.
- Exchange 2000 implementations several customers.
- Design and Implementation (crash-recovery) Exchange 2000 environment (daily newspaper).
- Exchange 2000/ ISA firewall migration.
- Exchange 2000 disaster recovery procedure implementation project.
- Network performance survey and improvement implementation project.
- Remote networkmanagement/monitoring several customers through vpn technology.

**Period of time** 12/2003 - 03/2004  
**Company** Freelancer  
**Customer** GSM Repair company  
**Role** Network security Specialist  
**Environment** Redesign Infrastructuur

## Tasks

- Network redesign project: dmz, firewalls, topology, vlanning, security, routing, spam/virus/url filtering, monitoring
- Windows redesign project: AD, software distribution, anti-virus, exchange omgeving, web/proxy/dns services
- Network security presentation/advice
- Remote netwerkmanagement implementation
- Security-scans, hardening and re-implementation dmz/content-scan infrastructure

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**Period of time** 10/2002 - 12/2003  
**Company** Freelancer  
**Customer** Revalidation Clinic / Local Newspaper  
**Role** Network Security Specialist  
**Environment** Redesign/management infrastructure

## Tasks

- Network redesign project: dmz, firewalls, topology, vlanning, security, routing, monitoring
- Windows redesign project: AD, anti-virus, exchange environment, web/proxy/dns services
- Redesign Exchange 2000 environment
- Implementation Exchange 2000 environment
- 2<sup>nd</sup> & 3<sup>rd</sup> line troubleshooting lan/wan/dns/maillservices/firewalls/proxy/anti-spam solution
- VPN implementation for remote workers and remote networkmanagement
- Installation, implementation, configuration, troubleshooting dns/ mail-services/ firewalls/router/switches
- Lan/wan management
- Design and management Windows 2000 / Netware 5 environment
- Redesign/implementation disaster recovery & infrastructure in heterogene network
- Installation, implementation, configuration and troubleshooting: firewalls(nsrp, vrrp), switches, routers, bandwidth management, antivirus/anti-spam/url filtering, several operating systems, dhcp/dns, backup/storage
- Security-scans and hardening
- Implementation websense url/spam filtering/firewalled environment
- Project newspaper: crash-recovery Exchange 2000 environment
- Remote networkmanagement

**Period of time** 6/1999 - 09/2002  
**Company** AINO B.V.  
**Customer** KPN Dutch Telecom  
**Role** Tactical management infrastructure / technical projectleader  
**Environment** SAP hosting, shared/dedicated hosting stretched through several CyberCenters, international wan, securing Customer environments.

## Tasks

- Implementation and design Windows NT environment with Oracle & SAP environments.
- 2<sup>nd</sup> & 3<sup>rd</sup> line troubleshooting lan/wan/dns/ maillservices
- Advice role management team regarding infrastructure strategies
- Documentation new environments
- Implementation intranet and Exchange environment
- Implementation secure web-based learning online environment for customer
- International internet routing problem solved for large customer
- Configuration and implementation routers/switches
- IP adress migration (technical projectleader)
- Implementation/migration/upgrade secure dns bind 9.x environment for several customers (technical projectleader, design and implementation)
- Implementation/configuration/migration Alcatel-Omniswitch firewall environment (technical projectleader, design, pilot, implementation and decommissioning)
- Implementation IP-address management environment (technical project leader)
- Security Scan / hardening (nessus, nmap) servers and infrastructure components, dmz (web servers, mail servers, etc.)
- Design and implementation new ip-addressing plan for customer
- IP migration, implementation switched network hospital (technical project leader)

**Period of time** 10/1998 - 6/1999  
**Company** Brunel IT  
**Customer** DSM (Sabic)  
**Role** Network manager  
**Environment** SAP hosting, hosting, international wan

## Tasks

- Migration/upgrade Windows/Novell network (network design, software

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- distribution, nds-design)
- Application migration/distribution (Z.E.N.)
- Technical implementation backup/restore procedure
- Purchase hardware and software
- Management advice IT strategies
- 2<sup>nd</sup> & 3<sup>rd</sup> line troubleshooting
- Documentation new environment (admin and user manuals)
- LAN/WAN management
- Configuration and implementation Cisco routers/switches

**Period of time** 7/1998 - 9/1998  
**Company** Brunel IT  
**Customer** Heemex transport company  
**Role** Network manager

## Tasks

- Migration Novell 4.11 to Windows NT 4.0
- 2<sup>nd</sup> & 3<sup>rd</sup> line troubleshooting
- Implementation proxy environment
- Implementation Exchange environment
- Installation/configuration routers/switches sub-locations in Benelux
- Coordination infrastructure upgrade 10Mb to 100Mb (infrastructure components, servers and clients)
- Purchase hardware and software
- LAN/WAN management

**Period of time** 2/1998 - 6/1998  
**Company** Brunel IT  
**Customer** DSM (Sabic)  
**Role** Network specialist

## Tasks

- Lan/Wan management
- 2<sup>nd</sup> & 3<sup>rd</sup> line troubleshooting
- Design and implementation Novell Netware 4 environment
- Purchase hardware and software
- Installation and configuration Windows NT 4.0 environments
- Implementation SQL Server / Windows NT 4.0 environments
- Implementation, management and troubleshooting Cisco routers/switch environment

**Period of time** 1/1995 - 1/1998  
**Company** Philips Display Components  
**Role** System manager

## Tasks

- Lan/wan management
- Management Novell 3.12 / 4.0 environment
- 2<sup>nd</sup> & 3<sup>rd</sup> line troubleshooting
- Technical implementation helpdesk environment based on Applix.
- Database system administrator Sybase and Oracle environment
- Migration Lotus Notes servers OS/2 to Windows NT 4.0
- Management Windows NT environment
- Migration infrastructure to FDDI

**Period of time** 1/1994 - 1/1995  
**Company** Felix Glass/Pilkington  
**Role** System manager

## Tasks

- Implementation Windows/Novell environment over 3 locations

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- Lan/remote wan system management Novell and UNIX (RS6000) environment
- 1<sup>st</sup> & 2<sup>nd</sup> line troubleshooting