Curriculum Vitae of Philippe Bogaerts

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Who am I?

I am an enthusiastic network, application security and DEVSECOPS consultant/engineer, capable to assist and lead a team into developing and expanding business. My strongest quality is my technical background and the ability to speak in three languages, in front of a technical/presales/sales and management audience. Traveling across Europe and/or the U.S. makes the opportunity even more challenging. Areas of interest to me are application security and container / K8S technology, as well as auditing and penetration testing. Combining new technology, hands-on and responsibility are key aspects for challenging opportunities. Currently investing extensively in ML & AI-related training and programming skills in a continuous effort to effectively design and secure the emerging generation of intelligent, agentic and interconnected systems.

Advanced skills and knowledge area

- Problem solving - Troubleshooting complex systems.
- AI, LLM and machine learning enthusiast
- Docker and Kubernetes security (kubeadm, EKS, AKS, GKE)
- Calico (Enterprise), Cilium & CNI / Kubernetes networking
- AWS / Azure / Google networking and security
- DevSecOps tools and concepts
- Cloud-Native Application Protection Platforms
- Application delivery and security
- XML and REST web services delivery and security
- Network firewall (stateful inspection) and policy mgmt
- In depth knowledge on network and application layer protocols
- Network, web and XML application/services penetration testing.
- Application related concepts (Web, Web2.0, AJAX, JavaScript …)
- F5 networks products
- Fortinet (Fortigate, Fortiweb, FortiDevSec, FortiCNAPP)
- AviNetworks (VMWARE)

Practical expertise

- Product management, roadmap and company vision
- AI, LLM and machine learning
- Containers (Docker)
- Kubernetes, API and Ingress, network policy
- Kubernetes architecture and design
- AKS, EKS and GKE
- CI/CD & DevSecOps (security scanning)
- Web Application Firewall policy management
- Routing and switching
- Linux administration and system management

3 -lingual trainer (Dutch, French and English)

- Building, Securing and Hacking Agentic Systems
- Kubernetes and container security
- Advanced TCP/IP & IPv6
- Application Security
- XML and Web Services technology
- Ethical Hacking
- VPN (IPSEC, IKE and SSL) and PKI
- Product certification

Education and Professional development

Fortinet certification
Advanced DevSecOps
CKA, CKAD, KCNA
F5 certification

1995 Graduate degree - Telecommunication
1992 Additional specialization in Radio, Radar and Data communication
1991 Higher Technical Education - Electronics and Telecommunication
1987 Higher Secondary Education - Latin-Math

Professional experience and achievements

2021 Public Cloud Consulting Systems Engineer EMEA (Fortinet)
As a public cloud CSE, I'm responsible for providing support and help with architectural designs towards the SME role and interface with PM for cloud related topics with a high focus on AWS, but also Azure and Google. Currently I am the main contact for Kubernetes related security and training. Additionally, a strong involvement in launching a Cloud Native security platform.

2008 - current Chairman, co-founder and co-organizer BRUCON
BruCON aim is to become the best and most fun hacking and security event in Belgium and Europe offering a high-quality line up of speakers, opportunities of networking with peers, hacking challenges and workshops. BruCON is an open-minded gathering of people discussing computer security, privacy, information technology and its cultural/technical implications on society. The conference creates bridges between the various actors (+800 people) active in computer security world, included but not limited to hackers, security professionals, security communities, non-profit organizations, CERTs, students, law enforcement agencies, etc.

2020 - 2021 Senior Solution Architect Tigera EMEA (Calico)
Tigera provides Zero Trust network security and continuous compliance for Kubernetes platforms.

2019 - 2020 Senior Solution Architect Aquasec EMEA
Building security awareness in the DEVOPS and DEVSECOPS community around containers, Kubernetes and cloud security. Part of my jobs is presenting at conferences and meet-ups, as well as organizing and executing large POC's.

2016 - 2019 AviNetworks Solution Architect security EMEA
As a presales consultant EMEA, I'm building awareness with potential end-users and channel partners in the domain of next generation datacenter load balancing, application delivery and security. (VMWare, Openstack, Docker, Mesos-Marathon, Kubernetes, Openshift, Azure, AWS and GCP).

2009 - 2016 Senior Field Systems Engineer - F5 Networks
My primary role is presales consultancy for the entire F5 Networks product suite in the Benelux. My expertise is primarily in the domain of load balancing and web application security (WAF). Additionally, a lot of time is dedicated in business development in the domain of web application and xml security (Benelux / Nordics). My current role implies working with channel partners and end customers.

2007 – Freelance consultant (RADARSEC Security Services bvba)
As a freelance consultant, I focus on training and consultancy in the
area of web application and xml security, as well as
XML/application/network redundancy and acceleration.

2004 International Technical Manager at BeeWare.
BeeWare is a French start-up specialized in the development of web
application firewalls and acceleration devices using neural network
technology among one of the core concepts. BeeWare currently supports a
web application firewall based on reverse proxy (Apache) and bridging
technology and integrates web single sign-on technology in the flagship
product.

I joined the company in the very beginning and had the following
responsibilities:

Presales
* Presales management for Benelux, France and UK
* International presales activities in remaining part of Europe
* End-user and partner training

Support and QA management:
* Quality assessment for web application firewall product range
* Platform security evaluation
* SSL and network engine debugging
* Support management
* Development of L2 redundancy solution

Company vision
* Participating in the development of company product roadmap.
  o Acceleration, high-availability and load balancing strategy
  o Web application firewall
  o XML and Web Services
* Competitive analysis and market evaluation (Web, XML and ADC)

2001 Technical Manager and Trainer at Risc Technology Belgium
The organization was a leading European based distributor of security
products. My initial responsibility was the development of the
technical services (presales, support and training) when the company
started a branch office in Belux. I managed the technical team and
provided technical assistance to key accounts. Most of my time was
spend on providing presales services (50%), consultancy and certified
product training (50%) on core security products to reselling parties.

Product certification: Check Point, F5 Networks, NOKIA, Bluecoat and
ISS

1998 Trainer and team leader at Telindus High-tech Institute
As a 3-lingual trainer, I was responsible for the training following
topics to customers, and researching/developing new courseware.
* TCP-IP advanced protocols and TCP-IP troubleshooting
* Switching and routing
* IPv6
* Check Point Management I & II, Meta-IP and Floodgate
* Firewalls and Virtual Private Networks
* Building Secure internet sites
* Public Key Infrastructure

- Quality of Service

After 2 years, I was promoted to team leader and became responsible for the management of a team of 7 instructors.

1997 Radio Field Engineer at Mobistar

Being part of the radio team, I did the conformance testing of the radio and antenna systems of the GSM base stations.
Among my responsibilities, there were
- Acceptance testing of the radio and antenna part of the BTS part
- Troubleshooting of the GSM system, RF-links and the SDH/ATM backbone
- Interference measurement

1987 Serving the Belgium Army as a communication engineer and trainer

I joined the Belgian Air force, as a petty officer.
After a 4-year training, I was stationed in the elementary flying school at Goetsenhoven.

I was responsible for:
- Maintenance of Radar, Navigation and communication equipment
- 'On the job training' junior engineers
- Development and implementation of a physical access and intrusion system (hardware and software – Assembly and C language programming- design)

After relocation to the Technical School of Saffraanberg, I joined the training department. My core job was teaching:
- Basic and HF electronics, RADAR systems
- Data communication
- Electronic counter measures
- X86 computer architectures
- Datacom

Publications
- Internet and security related whitepapers.

Speaking opportunities
Guest speaker at seminars and universities (GroepT, Kul, OWASP, CNCF)
  Topics:
- IKE and IPSEC
- Load balancing
- Ethical Hacking / Application security
- IPv6
- Docker security and Kubernetes
- AI security

Hobbies
Music, guitar, piano
Reading technology related books and following technology trends
Writing technology related whitepapers
Docker and Kubernetes