

Konstantin Hristov

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Objectives

Challenging tasks as part of a dynamic team with focus on:

- Network security, Network Architecture and Design
- Vulnerability management and risk assessment
- Network defense policies, Zero trust
- Cryptography, Zero knowledge proof ([SRP](#), [J-PAKE](#))
- Routing & Switching, (BGP, OSPF, IS-IS), IAM / PAM
- Programming (Java or C++) using design patterns ([The gang of four](#))

Personal data

Age: 43

Citizenship: German

Work Experience

- May' 22- **Consultant - [Infosys Ltd](#) Endcustomer: [Siemens AG](#)**
- Solution Design
 - Identity & Access Management – NAC - Cisco ISE
 - Enterprise Network Control - Cisco DNA Center - DNAC
- May' 22-Apr' 23 **Consultant - [Infosys Ltd](#) Endcustomer: [Daimler AG](#), [Daimler Truck AG](#), [Mercedes-Benz Group AG](#)**
- Last level technical approval instance for all network changes
 - Running CAB (Change Advisory Board)
 - Interviewing - New Hire
 - Identity & Access Management – NAC - Cisco ISE
 - Leading Operations, CyberSec and Firewall Teams
 - Zero Trust
- Jan' 22-Apr' 22 **Consultant - [GULP Consulting Services GmbH](#), Endcustomer: [DB Systel GmbH](#), NAC Segmentation**
- Solution design - NAC Segmentation Concept based Cisco ISE, PKI
 - SSO, 802.1x, SAML, Kerberos, Radius, IPv6
- Apr' 21-Sep' 21 **Consultant - [FGN GmbH](#), Endcustomer: [Media Broadcast GmbH](#), Satellite Media Player**
- Java Code, OpenJDK, VLCJ, JavaFX, H264, H265, Spring framework
 - Full HD audio and video streams based on multicast over UDP
 - Testing Full-HD audio and video streams over satellite
- Sep' 19-Dec' 21 **Consultant - [FGN GmbH](#), Endcustomer: [DB Netz AG](#), BBIP Netz Project**
- Anible, MPLS / VPLS, Traffic generation, IPv6 - BBIP Netz
 - Huawei, Cisco, Extreme
 - Network architecture, Solution design
 - Penetration testing, vulnerability scan
- Sep' 20-Sep' 20 **Consultant - [FGN GmbH](#), Endcustomer: [Pfalzkom GmbH](#), Nutanix, Segmentation**
- Datacenter – Cloud – Nutanix – Hyper Converged Solutions, SD-WAN
 - CheckMK integration

- Jun'14-Oct'19 **Sr. Escalation Engineer, [Extreme Networks](#)** (Extreme, Enterasys, Avaya, Brocade), Frankfurt am Main, **Germany**
- Troubleshooting network problems at all levels
 - Engineering interface for advanced network designs, hardware and software debugging
 - Screening job candidates. Core team member/BSG reviews
 - Participate in new product design
 - Protocol implementation validation (802.1x, Kerberos, Oauth2, RADIUS, VRRP, HSRP, CARP, OSPF, IS-IS)
 - Software protocol implementations (Java, C++), problem recreations
 - Deciphering network traces and protocol operations
 - Trainer security policies enforcement (ISP / Government)
 - Validation of network security designs and configurations
 - Spring Framework, Spring Security, Hibernate, RabbitMQ
 - Advanced VPN architecture and product development.
- Jul'11-Mai'14 **Product Support Engineer Level 3, [Enterasys Secure Networks](#)**, Frankfurt am Main, **Germany**
- Providing solution for routing, switches and NAC cases that Level 1 and Level 2 team could not solve.
 - Presentation for new and advanced network technologies (Routing, Switching, MPLS, VPLS, VxLan)
 - Database troubleshooting and management (postgresql, mysql)
 - Discover, reproduce and debugging bugs for (EXOS, EOS, NAC, EMC)
- Jan'08-Jun'11 **Hub Engineer, [Hughes Network Systems](#)**, Griesheim, **Germany**
- VSAT satellite network, managing aspects of the network such as: latency, jitter, packet loss, routing, delay, switching, monitoring, troubleshooting
 - Software developer for infrastructure management project written in C# .Net 4. Used technics such as: Web Services, Shared Libraries, External C++ library usage, Database, Data Binding, MVC based Web Interface, Silverlight, GIT
 - Managed Windows 2003/2007, RedHat, SuSe servers
 - Configure and monitor network build with Cisco L2 and L3
 - Proxy and VPN management
 - Writing custom monitoring software
 - Backup procedures and disaster recovery
 - Procedures for physical installation of a new hardware
 - Customer Layer 3 support
 - Customized spam and virus mail monitoring system
- Sep'06-Apr'07 **Intern, [Modulus Video Inc.](#)** (Motorola), Sunnyvale, CA, **USA**
- Perl programming
 - Linux multimedia streaming systems
- Mar'06-Aug'06 **Intern, [IBM Lab](#)**, Böblingen, **Germany**
- Linux programming on Perl, C, XML for IBM Z Series
 - SuSe - Yast software development
 - Channel bonding and load balancing test for the Linux kernel, SuSE and RedHat distributions
 - Web programming
- Dec'03-Aug'04 **Research Assistant, [ANDEC Ltd.](#)** Moscow, **Russia**
- Security Threats classification and translation according to securityfocus.com, secunia.com, frsirt.com, bugtrack.ru

Education

Mar'05-Jul'07 **Master's Degree** in "**Wirtschaftsinformatik**" (**Business Information Management**), Faculty of Informatics, [Reutlingen University](#), Germany.

Skills

Platforms: Extreme (Architect), Enterasys (Architect), Brocade, Avaya, Cisco (CCNP)
Design: OOD/OOP, UML
Languages: **Java / C++ / C#**
Tools: [CDT](#), [STS](#), **Microsoft Visual Studio**, **Git**, GCC , Clang, [Emscripten](#)
OS: **Debian, RHEL**, Windows 2X
Framework: **JDK, Spring, Thymeleaf, Hibernate, Botan**, Boost, .NET
Protocols: TCP/IP, 802.1x (rev. IEEE 2004), IGMP, Bootp, DNS, TLS, BGP, IS-IS, OSPF, VPLS, MPLS, SNMP, LDAP, SSH, FTP, IPSec, TLS, WSS, IMAP, SMTP, Stomp, AMQP
Algorithms: Asymmetrical (DH, Elgamal, DSA, RSA, EC, SRP), Symmetrical (3DES, AES, GOST)
Networking: L2, L3, LAN, WAN, SD-WAN, WLAN

Language Skills

Bulgarian:	native	German:	fluent
English:	fluent	Russian:	fluent