

# CV Marcel Knop

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## Professional Experience

*Freelance Cybersecurity Consultant*

Consulting, training, and audits in the field of cybersecurity.

since 03/2020

*Senior Manager Cybersecurity*

**Ernst & Young GmbH, Berlin**

Critical infrastructure consulting, crisis management, cybersecurity consulting and roll-out management.

09/2018 - 02/2020

*Manager Cyber Training Academy (Contractor)*

**RUAG GmbH, Berlin**

Design and implementation of cyber crisis exercises.

04/2018 - 06/2018

*Senior Manager Security Consulting*

**Accenture GmbH, Berlin**

Roll-out management of cybersecurity products, cyber crisis management and SOC implementation.

08/2017 - 03/2018

*Sales Manager Cybersecurity Consulting*

**Airbus Defence and Space GmbH, Berlin**

Pre-sales in SOC/SIEM services, cyber crisis management, penetration testing management and network security audits.

01/2016 - 05/2017

*Managing Consultant*

**HiSolutions AG, Berlin**

Cyber crisis management, cyber insurance services.

01/2015 - 12/2015

*(Senior) Manager / (Senior) Consultant*

**KPMG AG, Frankfurt, and Berlin**

Technical and process audits and consulting based on ISO27001, BSI Baseline Protection, PCI-DSS, OWASP, ISAE 3402, GxP, SOC 1-3 and other norms and standards.

07/2000 - 09/2014

*Internet Server Administrator (Contractor)*

**McCann Erickson, Frankfurt**

04/1999 - 06/2000

## Clients (excerpt)

ADAC, Airbus, Alstom, BMW, BSI, German Armed Forces, Burda, Commerzbank, Continental, Daimler, Deutsche Bahn, Deutsche Bank, Deutsche Kreditbank, Deutsche Lufthansa, Deutsche Post, DFS, Deutsche Bundesbank, Diba, EZB, ERGO, FI-TS, Fraport, Freudenberg, General Motors, Hiscox, Honda, LBBW, Media-Saturn, RWE, Sage, SAP, SGL Carbon, Sal Oppenheim, Siemens, Telekom, Verivox, Volkswagen Financial Services.

## Education and Qualifications

Graduate engineer mechanical engineering.

CISSP, CISA, ISO 27001 Lead Auditor, BS 25999 Lead Auditor.

BSI Baseline Protection Practitioner, Certified QAR-IT, COBIT-Practitioner.

## International Experience

Algeria, Austria, Belgium, Denmark, France, Hungary, Ireland, Italy, Israel, Luxemburg, The Netherlands, Switzerland, Spain, UK, USA.

## Language Skills

English: Business fluent.

German: mother tongue.

# Project List – Marcel Knop

*Selection from the period 2010 to 2023*

## Freelance Activity

- **DryNet:** Conception and implementation of a Starklink and Inmarsat cybersecurity concept for commercial vessels.
- **Fast Lane, Bechtle, SoftwareONE:** Conception and conduction of arena-based cyber crises trainings.
- **DataGuard:** ISO 27001 and TISAX consulting for worldwide clients.
- **Diethelm Keller Holding (CH):**
  - Conduction of cybersecurity assessments of European subsidiaries.
  - Conception and implementation of a universal information security policy framework.
- **FI-TS:**
  - SOC-trainings in security incident and cyber crises management.
  - Audit and implementation of security processes and controls.
  - TIBER-DE trainings for customers.
- **EnBW:** Implementation of a SOC.
- **REINER SCT:** Workshops on cybersecurity in online banking.
- **ShieldIoT:** Design of security monitoring solutions in the IoT-environment.
- **DKB:**
  - Design and implementation of SOC services, focus on incident management, design of playbooks and crisis management.
  - Execution of service provider audits regarding information security requirements.
- **CyberGym:** Conducting trainings for SOC/SIEM environments, crisis team exercises and IT forensics.
- **Cyber Akademie:** Conducting seminars in the environment of IT security and management of cyber crises.
- **ISACA:** Conception and implementation of the certificate course "Cybersecurity Expert". Former head of the specialist group "Linux Hardening".

## Ernst & Young

- **SAP:** Roll-out of a global DLP solution, including design and implementation of supporting processes. Maturity assessment of the security architectures of SAP subsidiaries.
- **DKB:** Creation of guidelines for backup and recovery, as well as for mobile device management.
- **ADAC:** Coaching for ISO 27001 and KRITIS implementation.
- **Daimler:** Implementation of security functionalities on the store floor. Hardening of OT components.
- **BSI KRITIS** Trainings for EY-Consultants.

## RUAG

- Conception of trainings of the CyberBit training range.
- Implementation of cyber crisis trainings for customers in the aviation industry.
- Marketing of cyber crisis trainings.

## Accenture

- **SAP**: Audit of global security capabilities and implementation of cloud solutions.
- Chemical company: Assistance in managing a hacking incident.
- **German Armed Forces**: Project management in the cybersecurity environment.

## Airbus Defence and Space

- Naming of clients not permitted due to confidentiality agreements.
- Primary activities: Consulting in the cybersecurity environment and acquisition of cybersecurity services in German medium-sized businesses.

## HiSolutions

- **BSI**: UP KRITIS: Design and implementation of the BSI cyber crisis exercise 2015.
- **Hiscox**: Development of methods for cyber insurance providers in the industrial environment. Support of sales activities of underwriters.
- **Ecclesia** and **WGV**: see Hiscox, only for the healthcare and public sector, respectively.
- **Axel Springer**, **ARZ Haan** and **Helaba**: Design and implementation of cyber crisis exercises.

## KPMG

- **Airbus**: Support of the PKI Root Key Ceremony.
- **AirPlus**: PCI-DSS implementation and execution of vulnerability scans in the context of PCI requirements.
- **Alstom**: Network security investigations of office and production networks.
- **BaFin**: Implementation of IT security investigations on network and operating system level.
- **BHF Bank**: Vulnerability scan of internal IT systems.
- **BMW**: Security investigations of networks, operating systems, applications, and secure IT systems.
- **Bilfinger Berger**: Development of policies and processes for mobile device management.
- **Burda**:
  - Design of mobile device management policies and processes.
  - Penetration tests of web applications.
- **Commerzbank**: Security audits of VoIP installations and virtualization strategies on behalf of Internal Audit.
- **Cyberport**: Management and implementation of PCI-DSS implementation.
- **Daimler**: Audits of network infrastructures.
- **DAK Versicherung**: Vulnerability scans and firewall audits.

- **Deutsche Bank:**
  - Project manager for the assessment of global cybersecurity capabilities on behalf of the supervisory board.
  - Evaluating code quality of external service providers.
  - Conducting vulnerability scans and penetration tests.
- **Deutsche Bundesbank:**
  - Security investigations of firewall infrastructures and IT operating processes.
  - Penetration tests of server systems.
- **German Air Traffic Control:** Security investigation of networks and applications. Support of the crisis team in the context of exercises.
- **Deutsche Post/DHL:** multi-year projects in the context of security audits of newly developed products and services. Execution of internal vulnerability scans, hardening of IT/OT applications.
- **Deutsche Telekom:** Execution of application tests in the context of SOx attestations.
- **Fraport:** Security investigation of applications and IT operating processes.
- **ERGO:** Projects of several years in IT security audits of IT systems, -networks and security-relevant operating processes.
- **Eurohypo:** Conduction of vulnerability scans and firewall audits.
- **European Central Bank:** more than 20 security audits of web applications and firewall infrastructures and design of security-relevant IT operational processes.
- **First Private:** Conducting internal IT security audits on Windows services, web applications and telephony systems.
- **General Motors:** IT security audits of office and production environments on behalf of Internal Audit.
- **GM Interleasing:** Execution of penetration tests and firewall audits.
- **Hansa Invest:** Security analysis of applications, servers, and networks.
- **Heller Bank:** Penetration tests of web applications.
- **InfoScore:** Firewall audits and infrastructure scans.
- **ING Diba:** Penetration tests and vulnerability scans of the Spanish branches.
- **Karstadt-Quelle Bank:** penetration tests, vulnerability scans and firewall architecture audits.
- **KT Bank:** Penetration testing of critical web applications and internal vulnerability scans.
- **Lufthansa:**
  - Conduction of penetration tests and security audits of eBase application, systems, and infrastructures.
  - Conduction of security audits of Kiosk-application.
  - PCI-DSS consulting for AirPlus.
- **Jägermeister:** Security investigation of exposed network components and applications. Conducting cyber crisis exercises.
- **Marquard & Bahls:** Conducting global vulnerability scans on tank farm systems.
- **Media Saturn Holding:** Security investigations of white label service providers. Security investigation of internal networks. Development of secure coding guidelines.

- **Mercedes-Benz Bank:** Execution of penetration tests and vulnerability scans, optimization of firewall infrastructures.
- **Merck:** ISAE 3402 attestation, internal vulnerability scans and application security audits.
- **MoneyShelf:** Web application testing, firewall infrastructure audits, and code quality audits.
- **Müller Milch:** Security investigation of production networks.
- **Neckermann:** Assessing the quality of software development processes, application source code and infrastructures.
- **Perdata:** Cloud security analyses and implementation of security-related operational processes.
- **Pfizer:** Support in managing an IT security incident, including follow-up and lessons learned.
- **RWE:** Security analyses of central applications and infrastructures.
- **Sal. Oppenheim:** Execution of penetration tests, vulnerability scans and reorganization of firewall infrastructures.
- **SAP:**
  - Security audits of cloud services,
  - Penetration testing of internal applications, and
  - ISAE 3402 attestation.
- **Sage:** Load testing and development of coding guidelines for secure software development.
- **SGL Carbon:** Security investigation of production networks.
- **Sparkasse Bitterfeld:** Security investigations in the online banking environment.
- **Swiss Re:** Data center security audits and penetration tests of central applications.
- **Opel Bank:** Penetration tests of internal and external applications.
- **Otto:** Assessment of the maturity levels of start-ups as part of IT due diligence.
- **Villeroy & Boch:** Network security analyses and review of operating systems.
- **Volkswagen Financial Services:** Audits of security-relevant IT operating processes.