



» I'm working as cyber security consultant with wide range of knowledge in security testing and cryptography and a passion for penetration testing & DevSecOps.

»»» STATUS

IT Security Consultant, M.Sc. IT Security Networks and Systems, focuses on application security and penetration testing.

»»» EXPERIENCE

DevSecOps Engineer / Senec GmbH

Cologne, NRW, 2024/01 - now

- » Pioneered the integration of automated security tools into GitLab CI/CD pipelines, enhancing the detection and mitigation of vulnerabilities in early development stages for continuous delivery environments.
- » Developed and integrated proprietary security tools into the GitLab Ultimate CI/CD pipeline, enhancing the company's security posture by automating security scans for the early detection of potential threats and leaks.

Penetration Tester / Spike Digital Reply GmbH

Cologne, NRW, 2020/09 - 2023/12

- » Led and coordinated comprehensive vulnerability assessments and penetration tests for Web, Mobile, and Cloud Applications, aligning with OWASP Top 10 and Web/Mobile Application Security Testing Guidelines. Employed manual and automated methodologies to uncover and assess vulnerabilities such as SQL Injection, Cross-Site Scripting (XSS), and authentication flaws, significantly enhancing application security posture through detailed risk analysis and mitigation strategies.
- » Support customers in the transformation from DevOps to DevSecOps. Define Security Requirements based on OWASP DSOMM and OWASP SAMM. Ensuring the effective implementation of recommended security measures. Provided expert security consulting and facilitating a culture of security awareness within the organization

Security Consultant / Spike Reply GmbH

Düsseldorf, NRW, 2018/09 - 2020/09

- » Development of a software defined network to provide a broadband internet connection based on microservice-based technologies.
- » Working as Security Champion in Agile Projects and supporting in topics like Security by Design principles, building an automated continuous security pipeline, code review, security testing and hardening and, container / docker security.
- » Setting up secure Software Development Life Cycle processes, review security tools for automated malware analysis, automated threat modelling Testing. Mobile iOS App Penetration Testing

Master-Student IT Security / inovex GmbH

Bochum, NRW, 2017/11 - 2018/07

- » A framework for the evaluation of Password Strength Meters on the most used websites was programmed. For this purpose, criteria were defined and evaluated using secure passwords. The evaluation systems were then evaluated and compared for their accuracy.
- » The framework was developed in Python using the automation framework Selenium to evaluate the websites in a periodic interval.

CONTACT

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🖱 <https://isertkaya.de/>

🔗 Xing Profile

LANGUAGES

🗨 German

★★★★★★★★★★★★

🗨 Turkish

★★★★★★★★★★★★

🗨 English

★★★★★★★★★★★☆☆

FIELDS

🔒 Cyber Security

★★★★★★★★★★★★

⚙️ DevSecOps

★★★★★★★★★★★☆☆

</> Software Development

★★★★★★★★★★★☆☆

🗨 Consulting

★★★★★★★★★★★☆☆

TECHNOLOGIES

📄 GitLab CI 🖥 Kali Linux

🔍 Nmap, Nessus, Metasploit, ZAP

📱 iOS Development 🗄 Splunk

🌐 Web Development 🗄 SQL, MySQL

📦 Docker / Container 🗄 Kubernetes

🐍 Python, Java, C, GoLang, Swift

⚙️ Ansible, Jira

TRAININGS & CERTIFICATIONS

🎓 Certified DevSecOps Professional

🎓 Certified Dante ProLab HackTheBox

🎓 Splunk Fundamentals 1 & 2

📖 PentesterLab: Web Pentesting- 14 Badges

📖 TryHackMe: Cyber Security

📖 Lynda: Ethical Hacking

»»» EXPERIENCE

iOS Developer / Thrive GmbH

Stuttgart, BW, 2016/06 - 2017/07

- » Development of iOS applications based on the Swift programming language.
- » The goal of the project was to provide an app that tracks video contributions and channels of Youtubers and provides statistics about the tracked contributions using the Youtube API.

Dual Study @ Hewlett-Packard GmbH

Böblingen, BW, 2012 - 2015

- » Worked in various business units of HP, mainly supported the Developments Teams in Software- & Web Development. Topics included customer contracts, change management, controlling, operational tasks.
- » Analysis and extension of a web-based tool for monitoring IT according to accessibility criteria. The usability criteria were analysed and evaluated using the tool. Subsequently, various techniques and improvements were proposed and automatically implemented.

»»» EDUCATION

Graduated as M.Sc. IT Security

Ruhr University Bochum, 2018 / 07

- » Master Thesis: An Empirical Analysis of Real-World Password Strength Meters
- » Developed and evaluated an algorithm for evaluating the accuracy of password strength meter on most used websites. Website of Thesis: <https://password-meter-comparison.org/>
- » Final grade: *very good*

Master Studies IT Security Network & Systems

Ruhr University Bochum, 2015 - 2018

- » Unique degree program with substantial expertise in IT security based on the three-pillar model: Computer Science, Information Technology & Cryptography
- » Specialization in Network and Data Security, Embedded Security, Cryptography, System Security, Security Engineering, Mobile Security
- » Final grade: *good*

Dual Study B.Sc Applied Computer Science

DHBW, Stuttgart, 2012 - 2015

- » A program combining the study of Applied Computer Science at the DHBW Stuttgart with internships in various business units of HP to gain both theoretical and practical knowledge.
- » Final grade: *good*

EHG - Technisches Gymnasium

Rottweil, BW, 2009 - 2012

- » Allgemeine Hochschulreife with focus in computer science
- » Final grade: *1.6*




KWS - Werkrealschule

Rottweil, BW, 2008 - 2009

GHS - Hauptschule

Frittlingen, BW, 2003 - 2008

TRAININGS & CERTIFICATIONS

-  Cybrary: Penetration Testing
-  Lynda: DevSecOps Automated Testing
-  Programming HSM - Utimaco

ACTIVITIES



Smart Home Development



Reading and Learning new Stuff



Calligraphy



Cycling

OPERATING SYSTEMS

