

# Jan Sedlacek

Permanently residing:  
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The short version of my CV and the latest version  
is available [Here](#)



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## OVERVIEW

I specialize in the field of cyber security, with a focus on the automation and orchestration of cyber security portfolios, as well as end-to-end deployment of products to customers. My current professional emphasis revolves around web services and encompasses both offensive and defensive security strategies. I actively engage with platforms such as Try Hack Me, Attack Defense, and LetsDefend to continuously enhance my skills in this domain while also sharpening my knowledge through the development of dockerized applications.

Furthermore, I possess extensive experience in working within an international context, engaging in daily discussions and interactions with individuals from diverse cultural backgrounds. This exposure has honed my ability to effectively navigate international discussions and adapt to various cultural perspectives.

In my professional endeavors, I am adept at assuming responsibility for assigned tasks. I diligently collect and align project requirements in collaboration with stakeholders, establishing crucial milestones and overseeing the project's progression until its successful completion. This includes presenting the final outcomes to the contracting entity in a comprehensive and professional manner.

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## WORK EXPERIENCE

**Cybersecurity Engineer**  
*T-Mobile Cross border services / B2B*  
2019 – present

### Forensic Investigations

- Provided technical support for forensic and incident response activities involving multiple ransomware incidents.
- Conducted threat hunting on customer networks to identify attacker persistence.
- Performed reverse engineering of binary applications to uncover malware capabilities.
- Analyzed system logs to identify and investigate malicious activities.
- Expertise in reconstructing attack timelines and determining initial vectors.

### SOAR/SOC Development

- Led a small team of up to 5 members in the implementation of a SOAR platform, serving as the system architect.
- Collaborated across multiple NATcos (National Telecommunications Companies) in agile principles to establish standardized SOC processes.
- Introduced automation to incident investigation and content development, leveraging third-party services.
- Provided technical support to customers throughout the entire delivery chain, including technical sessions and customization based on customer feedback.

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#### Vulnerability Management

- Managed vulnerability assessments of web applications and IP components using tools such as Qualys and Nessus.
- Ensured compliance with application owners' requirements to minimize disruptions to daily business operations.

#### Penetration Testing

- Conducted penetration testing on the network of a medium-sized company.
- Developed custom software for Raspberry Pi to perform voice mail testing.

#### Software Development

- Completed full-stack development of PKI automation using Python, Flask framework, and PostgreSQL.
- Successfully migrated and upgraded an in-house reporting tool using Python, Django, and Angular.

### **Developer and IT security specialist**

*Westudents*

*2019 (6 months)*

#### Software Development

- Developed a web-based software (Java) specializing in processing and editing video streams.
- Effectively communicated project updates, risks, and recommended mitigation strategies during scheduled meetings with the Head Director.
- Implemented parallelization techniques to enhance the performance and efficiency of the product.
- Designed and developed user interfaces for seamless interaction with backend processes.
- Managed user data processing from the application, including integration with Google Contacts and the development of custom API interactions.

#### Security Assessment

- Prepared comprehensive details for asset management and inventory purposes.
- Conducted active scanning of networks and application components to identify vulnerabilities.
- Performed stress testing on web applications to assess their resilience under demanding conditions.
- Conducted thorough enumeration of subdomains to ensure comprehensive security coverage.

### **Developer and Team coordinator**

*Tongji university software institute*

*2017 – 2018*

#### Software Development

- Led and coordinated an international team of developers, ensuring effective collaboration and fostering productive discussions.
- Spearheaded the development of an Android application dedicated to image processing, leveraging advanced algorithms and cutting-edge technologies.
- Presented regular progress reports and future planning to potential investors, showcasing project milestones, achievements, and outlining the strategic roadmap for the product's growth and market penetration. Demonstrated excellent communication and presentation skills to effectively convey the value proposition and investment opportunities associated with the project.

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**Assistant of technical support**

2016

*Cooperating with a technical supervisor on identification, analysis, and resolution of IT-related problems in small networks with several tens of machines.*

- Analysis of Network and PC issues
- Basic server and PC maintenance

**Remedial educator**

2016 – 2018

*Teaching Elementary and high school topics (mainly online), focused on practical explanations/Showcases of the topics.*

- Math
- Physics
- Chemistry

**Laboratory Assistant**

*ÚHKT (Prague, Czech)*

2016

- Preparations of substances for sample analysis
- Extractions of DNA from samples
- Evaluations of analysis results

**Junior Developer**

*Waldorfske lyceum*

2015

- Developing of text game environment
- Bug finding in a text game

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**EDUCATIONAL  
BACKGROUND****Czech Technical University**

2019 – 2021

- Engineering Degree in Computer Security.
- Facilitated improvement sessions for international students, fostering a supportive learning environment.
- Studied in English.
- Master Thesis: Conducted an in-depth analysis and design of Bug Bounty platforms.

**Tongji University**

2017 – 2018

- Completed a partial Bachelor's degree program.
- Participated in a Chinese/European culture exchange program, promoting cross-cultural understanding.
- Focused on high-level circuit design.
- Studied in English.

**Politecnico di Torino**

2016 – 2019

- Bachelor's Degree in Computer Engineering.
- Engaged in the Tongji Project as part of the curriculum.
- Studied in English.
- Bachelor Thesis: Analyzed and implemented a Video Processing WebApp, while also conducting a basic security assessment of the network.

	<b>High school</b> 2012 – 2016 <ul style="list-style-type: none"> <li>• Graduated with a specialization in scientific studies.</li> <li>• Participated in an ecological stage and cultural exchange program in Romania.</li> <li>• Attended an artistic conference in the Netherlands.</li> <li>• Engaged in a geometer stage in the Czech Republic.</li> <li>• Acquired woodworking skills during a woodcrafting program in the Czech Republic.</li> <li>• Provided supervision and support for handicapped children in the Czech Republic.</li> </ul>
<b>LANGUAGES</b>	Czech – Native speaker English – C1 certified German – Basics
<b>CERTIFICATIONS</b>	<b>IELTS – C1</b> <i>since 2018</i>  <b>Wi-Fi Penetration testing</b> <i>since 2018</i>  <b>B1 driving licence</b> <i>since 2015</i>
<b>SKILLS</b>	<p>Good Knowledge:</p> <ul style="list-style-type: none"> <li>• Python (Web Sockets, Multithreading, Flask, Object-Oriented Programming)</li> <li>• Security Orchestration, Automation, and Response (SOAR)</li> <li>• Networking</li> <li>• Linux systems (Ubuntu/Debian-based)</li> <li>• Containerization (Docker/Podman)</li> <li>• Vulnerability Management (Qualys/Nessus)</li> </ul> <p>Average Knowledge:</p> <ul style="list-style-type: none"> <li>• Bash scripting</li> <li>• GIT (Gitlab, Github)</li> <li>• Jira</li> <li>• Penetration Testing tools (nmap, msfconsole, nikto, gobuster, etc.)</li> <li>• Threat Intelligence</li> </ul> <p>Basic Knowledge:</p> <ul style="list-style-type: none"> <li>• C/C++</li> <li>• Reverse engineering/ Assembly (Ida, OllyDbg, dotPeek)</li> <li>• Java</li> <li>• VMware</li> </ul>
<b>INTERESTS</b>	<p>Self-Education</p> <p>Dedicate personal time to staying up-to-date with the latest trends and advancements in the IT security field.</p> <p>Currently focusing on the development of dockerized applications in Python, continuously expanding proficiency in penetration testing methodologies and relevant tools.</p> <p>Actively deepening knowledge in Blue team security practices, including SOC activities, binary reverse engineering, and memory forensics.</p> <p>Enjoy engaging in physical activities, including sports and participating in team-oriented endeavors.</p> <p>Find fulfillment in traveling and exploring countryside trails, embracing the opportunity to discover new places and cultures.</p> <p>Have a passion for reading Fantasy and Sci-Fi books, immersing myself in expanding imagination.</p> <p>Engage in woodcarving as a creative outlet, refining skills in this craft.</p> <p>Enjoy the tranquility of fishing, finding solace and relaxation in the peacefulness of nature.</p>