

Kevin Lemmer

Security Analyst at Bosch
CERT

Ever since Robert Bosch founded the “Workshop for Precision Mechanics and Electrical Engineering” in Stuttgart in 1886, the company – today known as Bosch – is characterized by innovative strength. As a leading IoT company, Bosch today offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. It goes without saying that security plays a huge role in those innovations, which led Kevin Lemmer to stay at the company after his internship.

Kevin Lemmer is quite the rookie at security, he is the first to admit. “A year and a half ago I graduated from Stuttgart Media University. I studied Computer Science and Media. There wasn’t a focus on

security in particular, but I did my internship at Bosch and got into security when I was working in the antivirus-team.” He wrote his bachelor thesis in the field of Cyber Threat Intelligence whilst he was at Bosch, made many connections with colleagues while he was working there and when he graduated, was offered a job as a security analyst.

“There are so many things related to security. It is really hard. You have to continuously work to gain and keep knowledge and expertise”

Security is hard

“It is hard,” says Lemmer, who followed the SEC504 course (Hacker Tools, Techniques, Exploits, and Incident Handling) at SANS a few months ago to get up to speed in his new field of expertise. “There are so many things that are related to security. If you really want to be good at it, you better know all the products in use, all the system and network components including their configurations in detail. Plus all the latest relevant security knowledge that you have to keep up to date.” But Lemmer is determined. “You have to educate yourself and luckily I have colleagues that push me to a next level, so I can elevate my skills.” He also praises his employer for sending him to the SANS course. “I am grateful Bosch sends me out to different courses to help me gain the knowledge I need for my job.”

CASE STUDY

“You have to continuously work to gain and keep knowledge and expertise”

Improving quality of life

The Bosch Group is a leading global supplier of technology and services. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. The company uses its expertise in sensor technology, software and services as well as its own IoT cloud to offer its customers connected, cross-domain solutions from a single source. The Bosch Groups strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm.

Huge skillset

That enthusiasm and drive can be found in Lemmer as well. “The team I work for takes care of the Bosch IT infrastructure. We do a lot of incident response, including network and host forensics, vulnerability management, and malware analysis. If any kind of potential security incident happens, like a system is compromised or we see suspicious network traffic, we step into action.” Therefore, Lemmer is highly motivated to keep up with his teammates. Lemmer would also like to get additional training and take a course in incident response and forensics at SANS. “I have this colleague, and he has been doing forensics for decades now. His skillset is impressive, and he is somebody that I really look up to.”

“The cheat sheets by SANS are absolutely brilliant!”

Awesome teacher

Lemmer is really enthusiastic about the previously mentioned SANS course he followed a few months ago. "The teacher was awesome! Not like in school, but super knowledgeable with a great skills perspective. He shared a lot of personal insights on security issues. Also from a didactic point of view, the course was very professional." The free resources SANS offers, like the Reading Room and webinars, are frequently used by the young security analyst. "If I come across something I don't know yet, I prefer using SANS resources to do research for the challenge I'm faced with. Also, the cheat sheets they provide are absolutely brilliant."

Netwars and table top exercises

The one thing Lemmer regrets is that there wasn't enough time to really build relationships during the course. "We attended with a few colleagues, and you know how that goes. People that already know each other, have a tendency to stick together." His favorite part of the SEC504 course? "Definitely Netwars. We were all in the same room and had to solve various challenges. Another thing I really liked was the table top exercise where we acted like there was a real incident, but only had pen and paper to resolve it. That was a great idea, that I took back to our own company."

Lemmer is still young, but very ambitious in his new field. "I want more experience in the field of forensics, and after that I would really like to learn more about penetration testing and eventually move up to a strategic level." We're sure this won't be the last we hear of Kevin Lemmer.

SANS COURSES THAT STEVEN HAS TAKEN:

SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling

Are you interested in the online [assessments](#) or [courses](#) that SANS provides? Take a look at the SANS Institute's comprehensive website or get in touch with a SANS advisor at www.sans.org

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