

Security Operations Center (SOC) Analyst

A Security Operations Center (SOC) analyst is someone who helps protect a company's systems and data from cyber-attacks. First, it sounds like a job that's all about computers and technical skills. But it's just as much about people. A big part of the job is understanding how people act online and why they make certain choices. A lot of cyber-attacks don't even start with hacking into systems they start with tricking people. That's where social science comes in. For example, phishing attacks rely on things like fear, urgency, or curiosity to get someone to click a bad link. SOC analysts must understand that kind of behavior so they can stop attacks before they even get that far. As explained by Coursera, SOC analysts spend their time monitoring systems, responding to threats, and investigating problems to prevent bigger issues (Coursera, 2025). That already shows the job is not just about tools, it's about understanding what's going on behind the scenes, including people's actions.

Daily, SOC analysts are constantly watching systems, checking alerts, and figuring out what's real and what's not. But they're not doing this alone. They work in teams, and communication matters a lot. If something goes wrong, they must explain it clearly to others who may not understand cybersecurity at all. That part is underrated, but it's important. If employees don't understand what's risky, they'll keep making the same mistakes. According to Huntress, SOC teams run all day and night, working together to catch threats in real time (Robinson,2025). That kind of environment means you must be able to talk to people, share information, and make quick decisions. It's not just technical, it's social too. People also tend to take shortcuts, like reusing passwords or ignoring warnings, and that creates problems. SOC analysts must think about that and find ways to reduce those risks, not just expect people to act perfectly.

Marlik Robertson

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Another big part of the job is responding to threats when they happen. This is where things get fast-paced. Alerts come in, and analysts must decide quickly if something is serious or not. Then they investigate, figure out what caused it, and stop it before it spreads. That takes focus and good judgment. Huntress explains that SOC analysts are responsible for analyzing alerts and responding before damage gets worse (Robinson, 2025). That pressure is real, and it shows how important decision-making is in this role. At the same time, they also must document everything and explain what happened later. Coursera also points out that analysts spend time reviewing activity and writing reports so the organization can learn from incidents and improve (Coursera, 2025). So, it's not just reacting, it's also learning and improving over time.

This job also has a bigger impact on society than people think. Not everyone understands technology the same way, and that can make some groups more vulnerable. People who don't have as much experience with technology might fall for scams more easily, and that's a real issue. SOC analysts help protect organizations that store personal data, which means they are also protecting regular people. According to the Center for Internet Security, a SOC analyst's daily work includes identifying threats and helping organizations stay secure (Center for Internet Security, n.d.). That matters because when systems get attacked, it's not just the company that suffers it's the people whose information is at risk. In a way, SOC analysts are helping create a safer digital space for everyone, even if most people don't realize it.

In conclusion, being a SOC analyst isn't just about knowing technology. It's about understanding people too. Social science plays a big role in how analysts do their job, from recognizing risky behavior to communicating with others and making decisions under pressure. They're not just watching screens they're thinking about how and why things happen. That's

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what makes the job more than just technical. It's a mixture of both, and that's what makes it important.

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