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# Example of Security Software Engineer Job Description

Our innovative and growing company is hiring for a security software engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for security software engineer

* Develop novel analysis techniques to identify and eliminate entire classes of vulnerabilities
* Identify areas in security architecture requiring improvements
* Detect and identify anomalies, abnormal behavior, and malicious intent within an enterprise network, cloud, and host based environment
* Recommend scalable new processes and alerting procedures related to credential sharing
* Vulnerability scanning and penetration testing
* Regularly report on the security metrics of the product/application
* Contribute toward the strategic direction for Corporate Strategy Identity and Access Services
* Scale engineering - first and foremost the blue team is an engineering team and will be building at scale solutions to defend Azure DB with little (if any) human involvement
* Ensure proper documentation of the flaw with as much technical data as possible
* Ensure proper reference and other data as used by common vulnerabilities and exposures (CVE) pages

## Qualifications for security software engineer

* Collaborate effectively with local and remote coworkers
* Raise key technical/process/risk issues and takes initiative to balance better/faster with secure ways of achieving desired outcomes
* Passion for learning with a track record of acquiring new skills and technologies in a rapid fashion
* Experience with Hardware Security Modules and secure key management protocols and API (KMIP, PKCS #11, ) a plus
* Fluent in development using Java
* 5+ years supporting hosted services in a high volume mission-critical environment