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# Example of Security Software Engineer Job Description

Our growing company is looking to fill the role of security software engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for security software engineer

* Establish a trusted security advisor role
* Mentor and train other technical team members throughout the company on the importance of secure software development
* Develop security metrics and measurement capabilities to demonstrate application security, security architecture, and Security Development Lifecycle (SDL) activities
* Guide teams on adoption and execution of a Secure Product Life Cycle (SPLC)
* Collaborate with Lead Application Security Engineer to create application security roadmap and strategy
* 3 years of experience with assessing threats, risk, and vulnerabilities, while working with internal/external pen testing teams
* 3 years of experiences working with OWASP, SANS Standards or OSSTM and experience with COTS security products
* Familiarity with threat modeling while reviewing designs and architectures
* Knowledge of key security technologies like OAuth, SAML
* Experience with Static and Dynamic Code Analysis tools like HP Fortify, HP WebInspect, IBM AppScan, VeraCode, Coverity

## Qualifications for security software engineer

* Must be able to participate in 24/7 incident response
* Self-motivated and keen to learn and contribute towards security focused technologies
* Strong understanding of complex concepts related to computer architecture, data structures and programming practices
* Excellent grasp of C and C++
* Strong background with embedded bootloaders and software update strategies
* Strong background in Automotive communication (CAN, LIN, Ethernet AVB) software design and implementation