

# Example of Software Security Engineer Job Description

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Our company is growing rapidly and is hiring for a software security 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 software security engineer

- Establish mobile policies and procedures and advise Product Owners as to the most optimum deployment of integrated mobile security solutions
- Develops, documents, deploys, reviews and maintains Information Security Policies, Standards, Procedures and Guidelines
- Implements and improves software tools to gather system configuration information and proactively identify vulnerabilities
- Maintains awareness regarding OWASP and application security trends
- Designs, develops, implements, and tests software used to control instrumentation, perform data analysis and report generation
- Provides embedded system development support, using Linux, a RTOS (Real Time Operating System), or bare-metal, for a new target platform
- Partner with Information Security to conduct application security reviews to assess technical and business risk, identify threats and potential security issues in applications, specify solutions, and verify through testing
- Assist in the creation of software specifications for secure development and consistently research within the security area for threats, common vulnerabilities based on the OWASP Top 10, and new attack models
- Perform secure code audits
- Develop presentations and diagrams to communicate secure development practices, security state, and design requirements

## Qualifications for software security engineer

- Exposure to multi-threaded programming environment using UNIX/Linux/FreeBSD operating systems
- Knowledge of perl or equivalent scripting language
- Prior exposure to networking and security concepts is desirable
- Security relevant certification(s) (OSCP,GWAPT,CEH,CISM,CISSP ) would be advantageous
- Codifiable - you look at manual steps and processes as opportunities to leverage your coding skills
- Strong background with SoC security (ARM TrustZone, proprietary solutions)