

Secure Software Development Checklist

Yes/No	Have you...?	Potential Tools
	Defined and documented security requirements?	OWASP ASVS
	Performed a risk assessment specific to your system?	Threat Dragon (OWASP)
	Incorporated secure architecture (firewalls, intrusion detection, etc.)	Snort, ufw
	Minimized attack surfaces in robot design?	Manual review + fuzzing
	Securely designed APIs with proper access control and input validation?	OWASP ZAP, Burpsuite
	Ensured that sensitive data is encrypted (both in transit and rest)?	OpenSSL, Let's Encrypt
	Implemented strong authentication methods (MFA, etc.)	Auth0, Okta
	Accounted for redundancy and failover?	Kubernetes (self-healing), AWS/GCP load balancers, backups
	Set up regular security audits (Static code analysis, security testing, etc.)	SonarQube, CheckMarx, Snyk
	Set up security monitoring and an incident response plan?	Elastic Stack, Splunk, Grafana + Loki