

GURJIT SINGH

Application Security Engineer | Mobile AppSec | SOC Analyst | CompTIA Security+
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SUMMARY

Application Security Engineer with 10+ years of experience across Android, iOS, web, and API-based applications, specializing in mobile application security, reverse engineering, and secure software analysis. CompTIA Security+ certified with hands-on expertise in OWASP Mobile Top 10 testing, secure code review, threat modelling, runtime analysis, vulnerability remediation, and mobile application hardening. Strong understanding of Android and iOS security architectures, secure authentication mechanisms, encrypted data storage, and API security.

APPLICATION SECURITY & DEVSECOPS COMPETENCIES

- **Mobile AppSec:** Reverse engineering fundamentals, runtime analysis, Frida, OWASP MASVS/MASTG
 - **AppSec testing:** Secure code review, threat modelling, SAST/DAST principles, vulnerability remediation
 - **DevSecOps & CI/CD:** Secure SDLC, CI/CD security integration, deployment security validation
 - **SOC & monitoring:** SIEM alert triage, IOC/IOA analysis, MITRE ATT&CK, incident response (PICERL), Secure code review, malicious behaviour analysis, API security testing
 - **Vulnerability management:** Vulnerability Validation, remediation tracking, security documentation
 - **Cryptography:** iOS Secure Enclave, Android Keystore, data-at-rest encryption
 - **AI & Security:** AI model integration security, LLaMA 3.2, data minimisation principles
 - **Industry frameworks:** PCI-DSS, NIST CSF, OWASP Top 10:2025, CIS, ISO 27001, GDPR
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WORK EXPERIENCE

iOS Developer | Portugal

Mar 2020 - Apr 2026

End-to-end security responsibility across multiple production iOS applications handling financial, logistics, and user behavioural data.

6RPM AI — AI-Powered Freight Platform

Sep 2025 - Apr 2026

- Designed and shipped a real-time logistics platform with full security ownership — carrier/shipper identity management, secure data transmission, and access control architecture
- Implemented on-device LLaMA 3.2 AI inference via Ollama, eliminating cloud data exposure for sensitive freight load recommendation data — direct application of data minimisation principles
- Applied MVVM with dependency injection throughout — security controls are auditable and testable

Yollect — Resale Trading Platform

Nov 2023 - Aug 2025

- Integrated Stripe payment API with full PCI-compliant token handling, secure checkout flow, and zero storage of raw card data
- Hardened REST API layer — proper input validation, error handling that avoids information leakage, and token-based authentication

Morango Languages — Language Learning App

Feb 2021 - Oct 2023

- Designed encrypted CoreData storage for offline learning content — appropriate data-at-rest protection for 10,000+ user accounts
- Maintained secure weekly deployment pipeline via Fastlane — automated testing gates prevented regressions in security-critical code paths

- Implemented StoreKit in-app purchase flows with receipt validation — preventing common purchase bypass vulnerabilities
- Offline-first architecture with CoreData — user data remains on-device, minimising exposure surface

Web Developer

Jan 2017 - Dec 2019

- Delivered full-stack projects including payment gateway integrations (HTML, JavaScript, PHP, MySQL) — hands-on experience with web application vulnerabilities and secure payment flows
- CMS security hardening, cross-browser input validation, and secure session management across multiple client projects

Android Developer

Jan 2013 - Dec 2016

- Designed and published 10+ Android applications using Java and Android Studio covering Android attack surfaces
- Integrated Firebase Authentication and Google Analytics — practical experience with cloud auth security rules, real-time database access controls, and data governance

Unity3D Game Developer

Jul 2015 - Nov 2015

- Developed and published 2 mobile games using Unity3D and C#, gaining hands-on experience with secure mobile application deployment and release management.
- Integrated in-app purchases and advertisement SDKs while implementing secure payment.

SECURITY PORTFOLIO

- MobSF static analysis audit of image browsing iOS app powered by the Flickr API — documented findings, severity ratings, and remediation steps
- OWASP Mobile Top 10 practical lab — It is grounded in a real static analysis scan performed on an iOS application shows Improper credential usage, security misconfiguration and privacy controls.
- Technical blog: gurjit.co — Secure engineering practices, vulnerability analysis, mobile app security
- TryHackMe — Jr Penetration Tester pathway (in progress)

EDUCATION & CERTIFICATIONS

Bachelor of Technology in Computer Science Engineering

2009-2013

Punjab Technical University, India

CERTIFICATIONS

CompTIA Security+

May 2026

Splunk security operations center (SOC) analyst

May 2026

TECHNICAL SKILLS

- **Security tools:** Splunk, Burp Suite, Wireshark, Zenmap, VirusTotal, MobSF, Nessus
- **Programming Languages:** Java, Swift, Objective-C, C#, Javascript, SQL, PHP, HTML, CSS
- **Architecture & Design Patterns:** MVVM, MVC, Singleton, Delegate, Dependency Injection
- **Operating Systems:** Linux (Red Hat Enterprise Linux, Ubuntu, Kali Linux), macOS, Windows
- **DevOps/ CI-CD :** Git, Fastlane, Jenkins, Gitlab, Firebase, Xcode, Android Studio, CI/CD
- **Others:** REST APIs, Unit Testing, UI Testing, Debugging
- **AI & ML:** LLaMA 3.2, Ollama, AI model integration security