

# GURJIT SINGH

SOC Analyst | Mobile App Security Engineer | CompTIA Security+

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## SUMMARY

Developer-turned-security-engineer with 10+ years building the systems I now protect. CompTIA Security+ certified, specialising in mobile application security and SOC operations. Brings a developer's deep understanding of the full software attack surface — secure SDLC, API authentication, data-at-rest encryption, CI/CD pipeline security, and on-device AI integration. Experienced shipping production systems handling sensitive financial and logistics data. Actively targeting SOC Analyst, AppSec Engineer, and Penetration Tester roles across the EU and UK.

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## SECURITY COMPETENCIES

- **SOC & monitoring:** SIEM alert triage, log analysis, threat detection, true/false positive analysis, SOAR
  - **Incident response:** IR lifecycle (PICERL), containment strategies, chain of custody, digital forensics
  - **Vulnerability management:** Vulnerability scanning, CVSS scoring, compensating controls
  - **Threat intelligence:** IOC/IOA analysis, MITRE ATT&CK, threat hunting, OSINT, threat actor profiling
  - **Mobile AppSec:** OWASP Mobile Top 10, Keychain/Secure Enclave, certificate pinning, MobSF analysis
  - **Secure development:** Swift/Obj-C secure coding, REST API auth, CI/CD pipeline security, DevSecOps
  - **Network security:** Ports & protocols, TCP/IP, firewalls, VPNs, Zero trust architecture, DMZ design
  - **Compliance & GRC:** GDPR, PCI-DSS, NIST CSF, risk management, ISO 27001 awareness
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## WORK EXPERIENCE

### iOS Developer | Portugal (Remote)

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, testable, and independently verifiable

#### *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

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## SECURITY PORTFOLIO

- MobSF static analysis audit of SixRPM iOS app — in progress, findings being documented, CVSS severity ratings, and remediation steps
- OWASP Mobile Top 10 practical lab — iOS certificate pinning, insecure data storage identification, improper authentication testing
- Technical blog: gurjit.co — iOS security best practices, vulnerability analysis, secure coding guides
- TryHackMe — Jr Penetration Tester pathway (in progress)

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## EDUCATION & CERTIFICATIONS

### Bachelor of Technology in Computer Science Engineering

2009-2013

Punjab Technical University

India

### CERTIFICATIONS

CompTIA Security+

May 2026

CompTIA CySA+ (in progress)

2026

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## TECHNICAL SKILLS

- **Security tools:** MobSF, Burp Suite, OWASP MSTG, MITRE ATT&CK, CVSS v3
- **Programming Languages:** Java, C++, Swift, Objective-C, HTML, CSS, Javascript, SQL, PHP
- **Architecture & Design Patterns:** MVVM, MVC, Singleton, Delegate, Dependency Injection
- **DevOps/ CI-CD :** Git, Fastlane, Firebase, Xcode, Android Studio, CI/CD
- **Others:** REST APIs, Unit Testing, UI Testing, Debugging
- **AI & ML:** LLaMA 3.2, Ollama (on-device inference), AI model integration security