

Bilal Uddin

Security Engineer

Karachi, Pakistan +923181052241 bilaluddin_core@outlook.com



Summary

Security Engineer with expertise in AppSec, Cloud Security, and DevSecOps, skilled at automating workflows and embedding security into CI/CD pipelines. Passionate about driving secure development culture and evolving into a strategic security leader.

Experience

Bazaar technology

June-2024 - Present

Security Engineer

- Reduced critical security vulnerabilities by 40% in **Java/Kotlin microservices** APIs through hands-on code reviews and targeted remediation, improving system resilience and reliability.
- Performed security assessments of mobile and web applications using **Burp Suite**, and **MOBSF** uncovering critical vulnerabilities and delivering remediation reports.
- Deployed a vulnerability management program by integrating **Prowler** with **DefectDojo** to automate ingestion and triage of AWS misconfigurations, reducing reporting overhead by 50%
- Reduced excessive **IAM permissions** by 40% by redesigning roles and enforcing least privilege, leveraging automated monitoring to eliminate unused permissions and minimize application-layer attack surface.
- Managed **AWS WAF** to protect critical web applications from OWASP Top 10 vulnerabilities, cutting security risks by 40% and ensuring compliance with industry standards.
- Engineered a secure **SDLC** within **CI/CD** pipeline by embedding **Dependabot**, **Semgrep**, and **Trivy** for automated scanning and custom policy enforcement, boosting code scanning accuracy by 70% and ensuring safer, more reliable production releases.
- Conducted **threat modeling** and **secure architecture reviews** for critical financial integrations, reducing high-severity vulnerabilities by 20% and strengthening application-layer defenses.
- Hardened containerized applications by implementing **Kubernetes security contexts**, enforcing least privilege with **RBAC** and shift-left policies via **Kyverno/OPA**, and deployed **Falco** for real-time runtime anomaly detection
- Increased incident response speed by 40% and improved Cloud visibility by deploying **Wazuh SIEM**, integrating diverse data sources, and automating detection with custom rule sets.

Education

Mohammad Ali Jinnah University

September 2020 - June 2024

B.S. Computer Science

Karachi - Pakistan

Skills

Application Security

OWASP Methodology, Penetration Testing, Burp suite, MOBSF, Frida/Objection, Android Studio, and JADX

Cloud Security

Terraform, Container Security, Docker, Kubernetes, Falco, Prowler, Trivy, Kyverno, WAF, IAM

Programming & Automation

Python, Bash, Java, n8n

Other

SonarQube, Semgrep, Nuclei, Github Dependabot, Trufflehog

Awards

Ignite Hackathon

Achieved 5th position - 2023.

Got Dean's Honors two times

Faculty of Computing - 2023

Certifications

Certified in Cyber Security

ISC2 - 2023

Microsoft Certified Trainer (MCT)

Microsoft - 2023

Azure Administrator

Microsoft - 2022