

Alvaro de la Torre Ruiz

Senior Application Security Engineer

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Application security engineer with 6+ years of experience across healthcare, fintech and defense. I spent my career advising security teams and engineering, and presenting risks to stakeholders. I own the S-SDLC end to end: the CI/CD controls, the governance, and the tools. I build the tooling myself when the ones available don't meet our needs: an AI-assisted vulnerability management platform covering 1000+ repositories and a CVE impact-analysis tool, both in internal use, are just some of the examples.

EXPERIENCE

KATIM (EDGE Group) · Senior Cybersecurity Engineer

Jan 2025 – Present

Abu Dhabi, UAE

- Designed and built the team's vulnerability management platform: an AI-assisted platform that consolidates, triages and tracks security findings across our products, drastically reducing manual effort and giving stakeholders better visibility.
- Built an AI-driven CVE research and impact-analysis tool that determines whether a published vulnerability actually affects our products, by analyzing our build process and code rather than just the advisory.
- Own the secure software development lifecycle programme: Chose and implemented the application security toolchain (vulnerability management, sast, sca), embedded scanning into CI/CD and fine-tune of commercial tools to fit them to our needs.
- Built and maintain the S-SDLC knowledge base, including tools, procedures, Secure Coding guidelines and relevant security information.
- Secure AI adoption of the team: evaluating hosted and local models, defining guardrails, creating Knowledge Bases and experimenting with the new tools and models available.
- Built onboarding harness with local models and our Knowledge base, easing new team members into complex projects while safely handling the data.

FNZ · Application Security Engineer

Oct 2023 – Jan 2025

Madrid, Spain

- Managed application security across a portfolio of client platforms: scheduling penetration tests, ensuring security requirements were met, and reporting risk to stakeholders.
- Led security automation with GitHub Actions, integrating security checks into the development lifecycle.
- Introduced pull-request SAST and secret scanning.
- Owned software supply chain security, writing the practices and standards for the organization.
- Vulnerability analysis that business owners used to understand exposure and prioritise remediation.
- Evaluated and selected security solutions with vendors and suppliers.

Accenture · Senior Application Security Analyst

Oct 2020 – Oct 2023

Madrid, Spain

- Application Security advisory to multiple clients on multiple topics: Secure Architecture, Vulnerability assessment, Threat Models, Tool integrations, Process definition, etc.
- Managed three application security teams (an in-client Application Security Office (+5 people), a DevSecOps lab (+20), and a supply chain security initiative (+3)), setting direction and reporting progress to stakeholders.
- Planned and delivered the DevSecOps transition, introducing SAST, SCA, IaC, DAST and container security scanning.
- Ran the supply chain security initiative, building out the internal reference material around SLSA.
- Conducted security gap analysis against NIST and OWASP, defined security requirements, and introduced threat modelling to the delivery teams.
- Performed manual and automated secure code review with Fortify, SonarQube and Semgrep, authoring custom rule sets for client-specific risk.

Deloitte · Cybersecurity Operator

Feb 2020 – Oct 2020

Madrid, Spain

- Threat monitoring, analysis and reporting with Splunk, Kibana, CrowdStrike, Akamai (Kona, Prolexic) and FireEye ETP/HX. Phishing detection and analysis, including direct user support.

SKILLS

Core: Secure SDLC (S-SDLC) · DevSecOps · CI/CD pipeline security · Application security programme ownership · Security tooling development · Software supply chain security · Threat modelling & security requirements · Vulnerability management & remediation · Secure code review · Kubernetes security · Team leadership

AI in security: AI-assisted vulnerability management · LLM-based CVE research & impact analysis · Secure AI adoption · False Positive detection

Standards: NIST · OWASP · OpenSSF · SLSA

CI/CD: GitHub Actions · GitLab CI/CD · Azure DevOps

SAST / SCA: Coverity · Checkmarx · Black Duck · Fortify · SonarQube · Semgrep · Dependency-Track

DAST / IaC / Container: OWASP ZAP · Burp Suite · Checkov · Trivy

AI: Local models, Harness Engineering, Agentic Engineering, Claude, GPT, Kimi, Ollama

Programming: Python · Bash · Java (working level)

EDUCATION

MSc Cybersecurity, Universidad Católica de San Antonio de Murcia (UCAM)

BSc Software Engineering, Universidad Politécnica de Madrid (UPM)

CERTIFICATIONS

Practical DevSecOps

- Certified Cloud Native Security Expert (CCNSE)
- Certified Container Security Expert (CCSE)
- Certified DevSecOps Expert (CDE)
- Certified DevSecOps Professional (CDP)

Currently studying: SecAI+

LANGUAGES

Spanish (native) · English (full professional)