

Yassine Belkhadem

Cybersecurity Engineer & DevSecOps Specialist

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Education

National Institute of Applied Science and Technology

2020 – 2025 | Tunis, Tunisia

Courses: Software Architecture and Design, Language Theory and Automata, Compiler Design, Statistical Theory and Methods, Distributed Systems, Algorithms and Data Structures

Skills

Programming Languages: Go, Rust, TypeScript, C/C++, Python | **Security Expertise:** Active Directory, Web3 Security, Cloud Security, Threat Modeling (STRIDE, DREAD), OWASP MASTG, Burp Suite, Objection, Drozer, Frida | **DevSecOps & Infrastructure:** GitHub Actions, Docker, GitHub Advanced Security, Kubernetes, Ansible, Semgrep, CodeQL, Snyk, SonarQube, Jenkins, Terraform, Datadog, Sourcegraph | **Software Engineering:** Design Patterns, Systems Design, REST, GraphQL, Microservices, Clean Architecture, Hexagonal Architecture, Distributed Systems, Database Design

Professional Experience

Cybersecurity Engineer, Automation Engineer *CTF.ae*

12/2023 – Present | Dubai, UAE

- Enhanced organizational security posture by implementing comprehensive DevSecOps strategies, integrating **Trivy** and **Semgrep** security checks into CI/CD pipelines, which identified and remediated over 20 critical security vulnerabilities
- Spearheaded the development and execution of 10+ Capture The Flag (CTF) competitions for major industry events, including **BlackHat MEA**, creating 20+ sophisticated security challenges in **Web Application Security**
- Designed and delivered technical workshops across all expertise levels, focusing on **Application Security**, **Secure code review** methodologies, and emerging vulnerability patterns

Product Security Intern *Mercari*

06/2024 – 08/2024 | Tokyo, Japan

- Revolutionized **DAST** processes by developing and implementing a custom solution integrating **Burp Enterprise** and **Nuclei**, expanding coverage to 1,200 assets and detecting 5,000+ security issues while reducing false positives by 90%
- Conducted 4 comprehensive security assessments and 3 design reviews following **SSDLC** principles, applying **STRIDE** threat modeling methodology across diverse projects like blockchain and automotive sectors

CTO & Co-Founder *Zanana SARL - K-Noon Project*

02/2023 – 06/2024 | Tunis, Tunisia / Munich, Germany

- Spearheaded team expansion from 3 to 8 members, securing 20+ client accounts and key partnerships. Introduced a mentorship program that successfully trained 2 interns.
- Created the initial POC, secured initial investment and Directed the development and launch of a tax management engine MVP in under 4 months, delivering detailed documentation and establishing continuous improvement frameworks for the engineering team

Cybersecurity Consultant *PCP Consulting*

05/2023 – 12/2023 | Toulouse, France

- Executed in-depth security audits for **AWS** and **GCP** environments across multiple clients, delivering actionable mitigation strategies and recommendations
- Engineered an innovative cloud security dashboard for visualizing and managing **IAM** configurations across multiple cloud providers and accounts

Red Team Intern *Ernst & Young*

06/2023 – 07/2023 | Tunis, Tunisia

- Designed and implemented a dynamic Red Team training environment using **Ansible** and **Azure**, featuring 5 configurable machines, 15 vulnerabilities, 10+ network topologies, and 130+ unique attack scenarios

Projects

Ein Framework , *Advanced Attack Surface Management Framework (Golang / SvelteJS)*

- Architected a sophisticated templating system using a custom YAML-based DSL, enabling flexible testing across DNS, HTTP, and SSH protocols through declarative attack definitions
- Developed an AI-powered agent for automated template generation based on user requirements.

C2 Chopper , *Command & Control Framework (Golang)*

- Engineered a flexible Command and Control (C2) framework using **Golang** and **NextJS**, implementing a plugin-based architecture for extensibility and customization

Languages

French — Fluent • English — IELTS Academic • German — Intermediate • Arabic — Native

Certificates

[eWPTXv2](#) • [eMAPT](#)