

AMAL GAFSI

Full-Stack Engineer | Cybersecurity & Secure Development

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SUMMARY

Experienced Full-Stack Engineer (3 years) in web and mobile development (Angular, Java/Spring Boot, REST/GraphQL APIs), seeking to leverage my technical skills for a transition into **Cybersecurity Engineering**.

Certified in Cybersecurity (Google Cybersecurity) and passionate about application security challenges, I bring dual expertise: the creation of high-performance solutions and the integration of **security best practices (DevSecOps)** from the design phase.

Rigorous and curious, I am **dedicated to securing architectures**, optimizing performance, and ensuring code quality (Clean Code, code reviews), all within an **Agile framework**.

PROFESSIONAL EXPERIENCE

Software Engineer (Full-Stack Spring Boot / Angular)

Ministry of Agriculture - Agro Dijon Institute

04/2023 - 04/2025 Versailles, France

- Designed and developed web applications (Spring Boot, Angular) incorporating security best practices.
- Created and developed APIs (REST and GraphQL), implementing strict **validation and error handling mechanisms**.
- Ensured software quality through thorough code reviews that enhance resilience and long-term security of applications.
- Collaborated in an Agile environment with both technical and business teams.
- Technical Environment:** Java 17, Spring Boot 3, Maven, Spring Data JPA, Hibernate, Criteria API, Lombok, GraphQL, Rest API, Mapstruct, PostgreSQL, Angular 17, TypeScript, CSS, IntelliJ, Visual Studio Code, Postman, GIT.

Mobile Developer

Fabskill

08/2022 - 03/2023 Tunis, Tunisia

- Developed the Fabskill mobile application (React Native, TypeScript) with secure API integration.
- Contributed to enhancing user experience while considering privacy aspects and access management (authentication, sessions).
- Collaborated in an Agile setting, including active participation in **code reviews** to ensure quality and **security compliance**.
- Proactively addressed vulnerabilities and functional bugs** in close collaboration with the Product Owner.
- Technical Environment:** TypeScript, React Native, Redux, Visual Studio Code, Postman, Swagger, GitHub.

EDUCATION

Engineering Degree in Computer Science / Telecommunications

ESPRIT

2019 - 2022 Tunis, Tunisia

Bachelor's Degree in Mathematics and Applications

Faculty of Mathematical, Physical and Natural Sciences of Tunis (FST)

2015 - 2019 Tunis, Tunisia

CERTIFICATIONS

Google Cybersecurity

Analysis and Defense: Proficient in the fundamentals of cybersecurity, identifying risks, threats, vulnerabilities, and mitigation techniques.

System Protection: Strategies for protecting networks, devices, and data against cyberattacks and unauthorized access.

Key Tools: Practical experience with **Security Information and Event Management (SIEM)** tools and foundational languages **Python, Linux, and SQL**.

SKILLS

Cybersecurity

Python, SIEM tools, SQL, Linux command line, threats, risks and vulnerabilities, Incident response, System hardening, Security frameworks and controls.

Tools & DevSecOps

Maven, Git, GitLab CI/CD, Docker, Postman, Swagger

Secure Languages & Frameworks

Java (8+), Spring Boot (REST, Data JPA), Angular (10+),

Methodology & Quality

Critical thinking and problem solving, Communication skills, Clean Code principles and code review (both technical and functional validation), Application Security, Agile Scrum Methodology, Object-Oriented Programming, UML modeling, Performance optimization.

Environments & Databases

Linux, Ubuntu, Windows, IntelliJ IDEA, Visual Studio Code / PostgreSQL, MySQL, MongoDB

LANGUAGES

English C1

French C1