

# Adam Chemengui

Software Engineering Student

Tunis, Tunisia

+216 99 168 074

chemengui.adam@gmail.com

in adam-chemengui-45a918339



## Profile

Final-year Software Engineering student (ESPRIT), specialized in Backend Development and DevSecOps. Strong expertise in Java, Spring Boot, REST APIs, ML, Docker, CI/CD and application security (OWASP, SAST/DAST). Proven experience in designing and deploying distributed, high-performance, and secure solutions within Agile/Scrum environments.

## Professional Experience

- 2025 **Application Security Intern, SMT – Société Monétique de Tunisie, Tunis**
  - Implemented a DevSecOps platform (SAST/DAST), achieving 95% vulnerability detection.
  - Deployed a RAG Deep Learning agent: +25% prioritization efficiency, +40% faster analysis (1000+ alerts).
- 2024 **Web Development Intern, La Poste Tunisienne, Tunis**
  - Designed an invoice management system (Java / Spring Boot), automating 80% of manual tasks.
  - Optimized SQL/MySQL queries: reduced critical errors by 20%, enhancing performance by 15% (5000+ transactions/month).
- 2022 **Networks & Systems Intern, Banque Tuniso-Libyenne, Tunis**
  - Supervised 100+ servers/workstations ensuring 99% availability.
  - Resolved 10+ critical incidents, reducing downtime by 20%.

## Education

- 2021–2026 **Software Engineering Degree, ESPRIT, Ariana**
- 2021 **Baccalaureate in Experimental Sciences, Esprit Al-Fikr, Ariana**

## Academic Projects

- 2025 **Sales Management CRM | Power BI**
  - Designed and implemented an ETL process (Power BI) and developed interactive dashboards.
  - Improved reporting efficiency by 50% for over 5,000 monthly transactions.
- 2024 **Construction Project Management Platform | Angular + Spring Boot**
  - Developed a 5-module platform used by 30+ engineers across 10 projects.
  - Coordinated Agile sprints, reducing project delays by 15% and boosting productivity by 20%.
- 2022 **Banking Web & Mobile Platform | JavaFX + Flutter Flow**
  - Built a solution processing over 1,000 transactions/day.
  - Reduced approval time by 20% and Boosted processing efficiency by 15%.

## Skills

**Langages & Frameworks:** Java, Python, PHP, JavaScript, C#, .NET, Spring Boot, Angular, Node.js, React, Flutter Flow

**Backend & Architecture:** REST/SOAP APIs, Microservices, System Design, Distributed Systems, UML, Design Patterns, Scalability, High Availability, Agile/Scrum

**Data & Big Data:** MySQL, MongoDB, SQL Server, Oracle, Power BI, Hadoop, Spark (bases), Machine Learning, Deep Learning

**Security:** DevSecOps, Application Security, OWASP Top 10, SAST/DAST, Firewalls

**DevOps & Systems:** Docker, Linux, Windows Server, VMware, Git, CI/CD (Jenkins, GitHub Actions), PowerShell, Networking (Cisco CCNA)

## Languages

• Arabic (Native) • French (Intermediate) • English (Intermediate) • German (Beginner)