

# Adam Chemengui

Tunis, Tunisia

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## Profile

Final-year Software Engineering student at ESPRIT, Ariana with expertise in backend development, microservices, DevSecOps, and distributed systems. Skilled in Java, Spring Boot, REST APIs, Docker, CI/CD, cybersecurity, and data analysis. Experienced in building scalable, secure, and robust solutions with measurable results. Agile/Scrum team player motivated by innovation and software quality.

## Experience

### SMT - Societe Monetique Tunisie

Application Security Intern

01/2025–02/2025

- Implemented DevSecOps platform detecting 95% of critical vulnerabilities across 20+ applications
- Deployed RAG agent with Deep Learning, improving vulnerability prioritization by 25% and accelerating analysis by 40%
- Increased security audit efficiency, reducing remediation time from 7 days to 3 days (57% improvement)

### La Poste Tunisienne

Web Development Intern

07/2024–08/2024

- Built invoice management system (Spring Boot) automating 80% of manual tasks, saving 15 staff hours/week
- Optimized SQL queries reducing critical errors by 20% and processing time by 15%, supporting 5,000+ monthly transactions

### Banque Tunisso Libyenne

Networks and Systems Intern

08/2022

- Monitored 200+ workstations and servers ensuring 99% uptime, avoiding potential downtime losses of 10,000 TND
- Solved 30+ incidents reducing downtime by 20%, cutting resolution time from 2 hours to 1 hour

## Academic Projects – ESPRIT, Ariana

### 2025: CRM Sales Management | Power BI

- Analysed existing CRM processes and identified functional requirements for sales management.
- Designed and implemented an ETL process to ensure reliable data for accurate analysis.
- Created interactive dashboards in Power BI for visualizing key performance indicators and tracking performance.
- Enabled data-driven decisions, improving reporting efficiency by 50% for 5,000+ monthly transactions.

### 2024: Construction Project Management Platform | Angular + Spring Boot

- Developed 5-module platform used by 30+ engineers for 10+ projects.
- Coordinated Agile sprints reducing project delays by 15% and boosting productivity by 20%.

### 2022: Banking Web & Mobile Platform | JavaFX + Flutter Flow

- Designed solution handling 1,000+ transactions/day, reducing approval time by 20% and increasing processing efficiency by 15%.

## Education

### ESPRIT, Ariana

Software Engineering Degree (in progress)

2021–2026

### Esprit Al-Fikr High School, Ariana

Baccalaureate in Experimental Sciences

2021

## Skills

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**Programming & Frameworks:** Java, JavaScript, Python, C/C++, C#, PHP, Spring Boot, Angular, Node.js, .NET, Symfony, Express.js, Flask, Flutter Flow

**Architecture & Methodologies:** Microservices, Distributed Systems, REST, SOAP, UML, Design Patterns, Agile (Scrum, Kanban)

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

**Cybersecurity:** DevSecOps, SAST, DAST, OWASP Top 10, SIEM, Firewalls, Bash, PowerShell

**Data & Databases:** MySQL, MongoDB, Oracle, SQL Server, Power BI, Talend, Hadoop, Spark, Machine Learning

## Languages

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**Arabic:** Native

**English:** Intermediate

**French:** Intermediate

**German:** Beginner