Adam Chemengui

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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

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

Arabic: Native

English: Intermediate

French: Intermediate

German: Beginner