



Adem KOUKI

SENIOR FULL-STACK SOFTWARE ENGINEER ·

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“Full-Stack Software Engineer with 6+ years of experience building and maintaining enterprise web applications, mainly using Java, Spring Boot, and modern frontend frameworks. Strong focus on clean architecture, scalability, and secure-by-design development. Experienced in mentoring junior developers and delivering production-ready systems.”

SKILLS

Programming Languages	Java, TypeScript, JavaScript, PHP, Python, Dart, Go, C#, Bash, Powershell
Front-end Technologies	React, Angular, VueJs, TailwindCSS, SASS, LESS
Back-end Technologies	Spring Boot, Laravel, Next.js, Node.js, Django, REST APIs, GraphQL
Databases	PostgreSQL, MySQL, MongoDB, Redis
Containers and Deployment	Docker, AWS, Azure, GitHub Actions, GitLab CI/CD, Travis CI, Jenkins
Security	Familiar with OWASP Top 10 and common security vulnerabilities, Metasploit, Nexus, Nuclei
Testing	JUnit, Jest, Vitest, PHPUnit
Languages	English (Fluent), French (Fluent), Arabic (Native)

EXPERIENCE

Full-Stack Web Developer

Tunis, Tunisia

NEXTGRC

Sep. 2019 - PRESENT

- Built and maintained a large-scale GRC (Governance, Risk, and Compliance) platform used by major banks and large enterprises in Tunisia.
- Designed, developed, and evolved key business modules including Internal Audit and Operational Risk Management, improving reliability and usability of the system.
- Mentored junior developers through code reviews and technical guidance, contributing to higher code quality and team efficiency.

Freelance Application Security & Web Developer

Tunis, Tunisia

ITC (INNOVATION TECHNOLOGY CONSULTING)

2020 – Present

- Performed security assessments on web applications, identifying common vulnerabilities and providing clear remediation recommendations to development teams.
- Worked closely with clients to improve application robustness by reviewing code-level issues and validating fixes in real-world environments.

Graduation Internship

Bizerte, Tunisia

NEXTGRC

2019

- Developed an application for planning, monitoring, and reporting on audit missions using a risk-based approach to digitalize Governance, Risk, and Compliance (GRC) processes.
- Managed the project throughout the development process, including working with a team to identify and solve any issues that arose.
- Successfully completed the internship and was given the opportunity to continue working on the project where I had the chance to improve and add new features to the application.

Web Developer (Internship)

Bizerte, Tunisia

ISET BIZERTE

2018

- Created a platform to manage students and internships at universities using Laravel

Technician (Internship)

Bizerte, Tunisia

TUNISIAN POST

2017

- Installed and configured computer operating systems, and diagnosed and solved hardware/software faults

EDUCATION

Software Engineering Degree

Ariana, Tunisia

SESAME (HIGHER SCHOOL OF TECHNOLOGY AND MANAGEMENT)

Sep. 2019 - Nov. 2023

- Work-Study Program

Bachelor Degree in IT

ISET BIZERTE (HIGHER INSTITUTE OF TECHNOLOGICAL STUDIES OF BIZERTE)

- Field: Development of Information Systems

Bizerte, Tunisia

Sep. 2016 - Jul. 2019

High School Degree

"JEUNE FILLE" HIGH SCHOOL

- Field: Experimental Sciences

Bizerte, Tunisia

2016

CERTIFICATIONS

- 2022 **IT Specialist - Software Development**, Certiport
- 2021 **AWS Academy Graduate - AWS Academy Cloud Foundations**, Amazon Web Services (AWS)
- 2020 **Scrum Foundation Professional Certification - SFPC**, CertiProf
- 2020 **Scrum Fundamentals Certified**, SCRUMstudy
- 2019 **MTA: Introduction to Programming Using Java**, Microsoft
- 2018 **MTA: Database Fundamentals**, Microsoft
- 2018 **MTA: HTML5 Application Development Fundamentals**, Microsoft
- 2018 **MTA: Software Development Fundamentals - Certified 2018**, Microsoft

HONORS AND AWARDS

- 2022 **My first bug bounty from GITHUB on HackerOne**, HackerOne
- 2019 **Best Student of the year 2018-2019**, ISET Bizerte
- 2019 **InnovaCon2.0 Hackathon - First place**, Bizerte
- 2017 **IBeDroid Challenge - First place**, ISET Bizerte

OPEN SOURCE PROJECTS

T3alem.tn

E-LEARNING PLATFORM

2025

- Built **t3alem.tn**, Tunisia's first large-scale e-learning platform in the local dialect.
- Provided **10,000+ lessons** and **1,400+ playlists** across IT, business, languages, and more.
- Enabled thousands of learners to access education in their native dialect through curated content and community features.

BetterViewer

BROWSER EXTENSION

2024

- Developed BetterViewer: a high-speed, user-friendly image viewer replacing default browser modes. Implemented intuitive controls and keyboard shortcuts for effortless image navigation, zooming, and editing, enhancing user experience and efficiency.
- Garnered a widespread user base globally for BetterViewer, with a significant and growing number of users worldwide relying on its efficient image viewing capabilities.

VSChat

VSCODE EXTENSION

2021

- Created VSChat: a collaborative platform within VS Code, facilitating global developer communication. Implemented user-friendly features such as nickname-based interaction, user highlighting, inline image display for URLs, and auto-linking pasted URLs. Enforced positive and respectful community engagement through established rules, fostering a helpful and enjoyable environment for developers worldwide.

Koukicons

FLUTTER PACKAGE

2020

- Developed Koukicons, a Flutter package featuring over 700 colorful icons for app development. Created an intuitive and easy-to-use interface, allowing seamless integration of icons into Flutter applications, along with guidance on importing, customization, and minimizing app size. Additionally, maintained a repository for contributions while emphasizing educational use and disclaimers regarding commercial applications.

Tunbot

CHATBOT

2020

- Developed Tunbot, a widely popular Tunisian chatbot on Facebook Messenger, engaging over 150K users. Offered diverse functionalities including news updates, entertainment, personalized content, and essential services, all delivered in Tunisian dialect for an immersive user experience resembling friendly conversations.