



Rabie Zerrim

Undergraduate Software Architecture Engineer

Software engineering student with hands-on experience in Spring Boot, Angular, Docker, and Java. Strong background in OOP, data structures, and real-world project delivery. Passionate about building scalable, AI-powered applications and contributing to innovative tech teams.

Adress
Ariana, Tunisia

[LinkedIn](#)

Phone number
+216 50304504

[GitHub](#)

E-mail
rabiezerrim@gmail.com

Technical skills

- **Backend:** SpringBoot (Java), Hibernate, Symfony, Python, .NET, C#, PHP.
- **Frontend:** Angular, JavaScript, VueJS, ReactJS, Flutter.
- **DevOps & CI/CD:** Docker, GitLab CI, Git.
- **Databases:** PostgreSQL, MySQL, MongoDB, H2, Firebase.
- **Design/Prototyping:** Figma, Adobe Photoshop, Illustrator.

Languages

- Arabic : Native
- English : C1, APTIS
- French : B2 , TCF

Education

ESPRIT - Ariana, Tunisia

Software architecture engineering
2023 → 2026

Institut supérieur des études technologiques

Bachelor in Information System Development
2021 → 2023

Ibn Sina Highschool - Gabes, Tunisia.

Baccalaureate in Informatics
2021

Work experience

Undergraduate software developer intern

Complexe culturel pilote des jeunes

June 2024 → August 2024

Gabes, Tunisia

- Boosted course management efficiency by 40% and bookings by 20% via a JavaFX desktop app
- Utilized technologies such as JavaFx, Maven, MySQL, and APIs

AI Developer Intern

Center Mon fils

February 2022 → June 2022

Gabes, Tunisia

- Engineered a real-time video analysis system using Django and ML to assess learner sentiment .
- Integrated AI/ML frameworks to analyse learner sentiments and track progress.

Web Developer Intern

Dar Tabib

September 2022 → November 2022

Gabes, Tunisia

- Modernized a legacy system to create a scalable doctor appointment booking application.
- Integrated patient medical files for seamless access and improved user experience.

EXTRACURRICULAR ACTIVITIES

Local Committee vice president of incoming global volunteer

Feb 2022 → Jan 2023 *AIESEC in Tunisia*

- Spearheaded partnership development and performance tracking in global volunteer program, leading to higher participant satisfaction .
- Implemented Standards and satisfaction tracking system.
- Created a database and a performance monitoring system.
- Made an internal audit on exchange procedures and standards.
- Organized and delivered sessions during conferences.

Team Leader Incoming Global Volunteer

Aug 2022 → Jan 2023 *AIESEC in Tunisia*

- Implemented team standards
- Educated Members by delivering sessions
- Established multiple partnerships with AIESEC in foreign countries and NGOs
- Created supply according to demand
- Created schedules and risk assessments

Software Developer Intern

Protech-IT

February 2021 → April 2021

Gabes, Tunisia

- Streamlined HR workflows by developing automation tools, improving task completion speed by 35%
- Optimized onboarding processes (40%) with features to manage and simplify new hire integration
- Improved promotion management (25%) by developing functionalities to handle employee promotions effectively

Social Media Specialist & Web Developer

AIESEC In Korea

September 2022 → March 2023

Remote

- Maintained and Enhanced AIESEC in Korea website .
- Created Content for multiple social media channels .
- Developed scalable content tools and maintained cross-platform consistency for international AIESEC teams .

Brand Designer

AIESEC In Denmark

September 2022 → March 2023

Remote

- Monitored and reported on feedback and online reviews, ensuring customer satisfaction and addressing concerns.
- Conducted workshops and delivered sessions.
- Coordinated with the Social Media Team to maintain brand consistency across all platforms

Projects

Coding Factory : Education Management Platform

SpringBoot, Angular, Python, MySQL, Docker

- Designed a microservices-based platform supporting Zoom API integrations.
- Integrated web scraping for business partner discovery.
- Applied containerization for deployment and scalability.

PennyWise : Financial management Application

JavaFX, FlutterFlow, Symfony, MySQL

- Developed a 3-tier application for Financial management, enabling users to shop and order products.
- Integrated backend and frontend technologies to ensure seamless user experience.

GastroMap

JavaScript, MySQL

- Built GastroMap, a location-based food discovery app that recommends local specialties and popular restaurants based on users' chosen dishes. Ideal for culinary tourism.