

# DERBALI MARYEM

Software Engineer

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## Experience

### End-of-Studies Internship – Software Engineer

Proxym, Sousse

Library Management SaaS Platform

February 2025 - June 2025

- Developed a multi-module SaaS platform for library management and reader engagement.
- Built and secured REST APIs using Spring Boot and Keycloak for role-based authentication and authorization.
- Implemented business workflows using Flowable BPM to automate book ordering, validation, and delivery.
- Integrated a content-based recommendation system to personalize book suggestions using user preferences and behavior.

Keywords: Spring Boot React JWT Keycloak Docker Flowable BPM PostgreSQL PostgreSQL Docker AI

### Full-Stack Developer | Freelance

Remote

Web Solutions for SMEs and Startups

September 2024 – August 2025

- Designed and developed custom web applications, including secure authentication mechanisms.
- Managed the full project lifecycle: requirements analysis, development, testing, deployment, and maintenance.
- Implemented complex features such as notification systems, online payments, and third-party API integrations.

Keywords: Angular Spring Boot TypeScript Java REST API Docker PostgreSQL Git

### Full Stack Development Intern

Ulysse Media, Tunis

SaaS Application Development

June 2024 - September 2024

- Developed a SaaS solution using microservices for an audiovisual production company.
- Implemented JWT authentication in Spring Security for secure user management and authorization.
- Containerized services with Docker for consistent environments.

Keywords: Spring Boot Spring Security JWT Nginx Docker Node.js Express UML SQL MongoDB

## PROJECTS

### Co-Consult: Integrated ERP Platform for Digital Service Companies

January 2024 - May 2024

- Developed ERP modules with Spring Boot and Angular for consulting and engineering firms.
- Integrated Spring Security for secure authentication and data encryption over HTTPS.
- Built RESTful APIs to enable seamless backend-frontend data exchange.

Keywords: Java Spring boot TypeScript Angular MySQL UML Jira SCRUM

### DevOps Architecture Implementation

September 2024-December 2024

- Designed a CI/CD pipeline with Jenkins, integrating Maven, SonarQube for code quality, and Nexus for artifact management.
- Managed reproducible environments with Vagrant and deployed containers using Docker Hub.

Keywords: Jenkins SonarQube Nexus Docker CI/CD Grafana Prometheus

## SKILLS

**Programming Languages:** Java, C, C#, Python, JavaScript, TypeScript.

**Web Development:** HTML, CSS, JavaScript, TypeScript, Bootstrap, Node.js.

**Frameworks:** Spring Boot, Angular, React, Flutter, React, .NET, Hibernate

**Databases:** PostgreSQL, MySQL, MongoDB

**Other:** DevOps, Docker, Jenkins, JUnit, Git, Sonar, Nexus, Grafana, Jira, Maven

## EDUCATION

### ESPRIT: Higher School of Engineering and Technology, Tunis

El Ghazela, Tunisia

Software Engineering

September 2022-June 2025

### IPEIM: Preparatory Institute for Engineering Studies of Monastir

Monastir, Tunisia

National Exam of Entrance to Engineering Schools, Math-Physics studies

2018-2020

## LANGUAGE

English: - C1

French: - C1

German: - A2