

Dhia Borji

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📍 Mornaguia, Manouba

Profile

I am Dhia Borji, a second-year engineering student at ESPRIT specializing in Web and Internet Technologies (TWIN). Building on my foundation in Information Systems Development (DSI) from ISET BEJA, I possess expertise in full-stack development and UML system conception. I maintain an active interest in emerging technologies, particularly artificial intelligence, and am committed to continuous professional growth in the field of software engineering.

Education

2023 – present	Engineering Degree in Web and Internet Technologies (TWIN) <i>ESPRIT - École Supérieure Privée d'Ingénierie et de Technologies</i>
2020 – 2023	License Degree in Information Systems Development (DSI) <i>ISET BEJA - Institut Supérieur des Études Technologiques de Béja</i>
2020	Baccalaureate Degree in Computer Science <i>Lycée Farabi, Mornaguia</i>

Professional Experience

07/2024 – 08/2024 Ben Arous, Tunisia	Summer Internship <i>SAGEMCOM</i> Developed a comprehensive inventory management application for the company's computing resources using Android Studio, Kotlin and FireBase. The application was implemented on Zebra scanning devices. Key Accomplishments: <ul style="list-style-type: none">Designed and implemented a QR code scanning system to identify and track company PCs through their IP addressesCreated a user-friendly interface allowing technicians to view and modify device information including device name, operating system version, and ownership detailsImplemented database operations including creation, reading, updating, and deletion of device recordsDelivered a solution that improved efficiency in managing the company's computer inventory Technologies Used and Skills Acquired: Android Studio, Kotlin, Firebase, QR Code Integration, Mobile Application Development, Database Management, User Interface Design, Hardware Integration (Zebra Scanners)
01/2023 – 06/2023	Final Year Project (PFE) <i>CODADOOR</i> Designed and developed a comprehensive waste management subscription service platform using a modern technology stack. The application enabled users to subscribe to various waste collection services offered by the company. Key Accomplishments: <ul style="list-style-type: none">Conducted thorough system conception and design work prior to developmentImplemented a full-stack solution with Angular frontend and Spring Boot backendDesigned and developed RESTful API architecture to facilitate communication between client and server componentsCreated a relational database structure in MySQL to efficiently store customer, subscription, and service data

- Developed user authentication and subscription management functionalities

Technologies Used and Skills Acquired: Angular, Spring Boot, MySQL, RESTful API Design, Full-Stack Development, User Authentication, Spring Security

Projects

01/2025 – 05/2025

TuniFlow

Tunisian Accounting Management System

Developing a comprehensive accounting platform specifically designed for the Tunisian accounting system. The application serves accountants, financial managers, and business owners by streamlining accounting processes, automating financial reporting, and providing intelligent data analysis.

Key Accomplishments:

- Implemented robust authentication and authorization systems ensuring secure access to sensitive financial data
- Designed and developed core accounting management functionality aligned with Tunisian accounting standards
- Created dynamic financial statement generation capabilities to produce standard financial reports
- Constructed interactive dashboards providing visual representation of key financial metrics
- Integrated fiscal analysis tools including tax deadline alerts and regulatory compliance validation
- Developed AI-powered features including task prioritization algorithms and predictive analytics for revenue and expense forecasting
- Built an early warning system to identify potential discrepancies in financial reporting

Technologies Used and Skills Acquired: MongoDB, Express.js, React.js, Node.js (MERN Stack), Authentication Systems, Financial Data Modeling, AI Integration, Predictive Analytics, Dashboard Development, Financial Reporting Systems

01/2025 – 04/2025

DevOps CI/CD Pipeline Implementation

Architected and implemented a comprehensive continuous integration and continuous deployment pipeline for web application deployment, enabling automated testing, building, and deployment processes to enhance software delivery efficiency and reliability.

Key Accomplishments:

- Established an end-to-end automation workflow from code commit to production deployment
- Configured Jenkins for continuous integration, orchestrating automated build and test processes
- Implemented Nexus repository for artifact management and version control
- Integrated SonarQube for code quality analysis and enforcement of code standards
- Containerized application components using Docker and managed multi-container applications with Docker Compose
- Established comprehensive monitoring and observability through Prometheus and Grafana dashboards
- Created a version-controlled pipeline configuration stored in GitHub repository
- **Technologies Used and Skills Acquired:** Jenkins, Nexus, SonarQube, Angular, Spring Boot, Docker, Docker Compose, Prometheus, Grafana, MySQL, GitHub, Application Monitoring, DevOps Practices

02/2025 – 04/2025

Microservice-Based HR Management System

Designed and developed a comprehensive human resources management solution utilizing a microservice architecture to enhance scalability, maintainability, and system resilience. The system facilitates efficient management of personnel data and HR processes through decoupled service components.

Key Accomplishments:

- Architected a distributed system of specialized microservices for various HR functions
- Implemented secure authentication and authorization using Keycloak for identity management
- Designed asynchronous communication patterns between services utilizing RabbitMQ message broker
- Created polyglot persistence layer incorporating both MySQL and MongoDB databases for different data requirements
- Utilized H2 in-memory database for testing and development environments
- Containerized all services using Docker for consistent deployment across environments
- Developed a responsive and intuitive Angular frontend to interact with the microservice ecosystem
- **Technologies Used and Skills Acquired:** Microservice Architecture, Angular, Spring Boot, MySQL, MongoDB, H2 Database, Keycloak, RabbitMQ, Docker, Distributed Systems Design, Message-Driven Architecture, API Gateway Implementation, Identity and Access Management, Eureka

01/2024 – 05/2024

EcoRecycle Waste Management Platform

Developed a comprehensive recycling service web application that connects citizens with waste management services, enabling users to sell recyclable materials, report waste in public areas, and donate organic waste to animal care associations.

Key Accomplishments:

- Implemented a multi-role system serving individual users, waste collection services, and animal care organizations
- Created a secure marketplace allowing users to list and sell recyclable materials to collection services
- Developed an interactive waste reporting module with geolocation integration enabling citizens to upload photos and pinpoint waste locations
- Designed a donation management system connecting users with excess organic waste to animal care associations in need
- Implemented real-time notification system to alert collection services about new waste reports and donation opportunities
- Ensured secure user authentication and role-based access control throughout the application
- Utilized Doctrine ORM for efficient database operations and complex data relationships

Technologies Used and Skills Acquired: Symfony, PHP, MySQL, Doctrine ORM, Google Maps API, Geolocation Services

Skills

Frameworks

Angular, SpringBoot, Node.js, Symfony, .NET

Programming Languages

JAVA, Java Script, Python, C, C#, Kotlin,

Data Base

Mysql, MongoDB, H2, FireBase

Library

React.js

DevOps

Jenkins, Nexus, SonarQube, Prometheus, Grafana, GitHub, Docker, Kubernetes, Docker Compose

Methodologies

SCRUM, Agile Development

Certificates

- Deep Learning Fundamentals By NVIDIA