BRAHIM ABDELLI

Software Engineer Full-Stack — NestJS/Spring Boot, React/Angular
4+ years of experience.

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PROFESSIONAL EXPERIENCE

Software Engineer – Softeam

📅 February 2024 – Present

Mission: La Poste (Since June 2024)

Development of an online examination management platform (driving theory, motorcycle exams, etc.).

- Design and development of a hexagonal architecture using a Domain-Driven Design (DDD) approach, as part of the transformation of a monolith into microservices and related evolutions (NestJS).
- Modeling and implementation of Kafka event-driven flows between services and external partners.
- Development and maintenance of frontend interfaces.
- Enforcement of development and testing best practices (REST APIs, Clean Code, E2E testing).
- Participation in production deployments.

Tech : NestJS, Angular, MySQL, Kafka, TypeORM, Elasticsearch, Kibana, Grafana, Kubernetes, Amazon S3, Jest, Sonar, Jenkins, Openshift.
Methodology : Build: Agile/Scrum, Run: Kanban.

Mission: Docaposte (February 2024 – June 2024)

Development of a flow management platform.

- Contribution to the development of an application based on hexagonal architecture.
- Development and maintenance of frontend interfaces.
- Participation in production deployments.

Tech : NestJS, NodeJS, React, ArangoDB, Kafka, Docker.
Methodology : Kanban

Software Engineer – Excellia Solutions

📅 November 2021 – January 2024

Mission: Banking

Development of a platform for international banking operations management.

- Development of business modules: transfers, domiciliation, invoicing, pricing, etc.
- Development of a DMS module (Document Management System) integrated with Microsoft SharePoint.
- Integration of a partner communication module using ActiveMQ.

Tech : Spring Boot, Angular, PostgreSQL, ActiveMQ, JPA, Docker, Kubernetes.
Methodology : Agile/Scrum

Mission: Banking

Development of an e-KYC web application (digital customer onboarding).

- Implementation of the prospect-to-customer onboarding journey.
- Integration of multiple modules (Electronic Signature, Jitsi Meet).
- Frontend development from scratch.
- Enforcement of development and testing best practices.

EDUCATION

Engineering Degree in Computer Science (Honors: Excellent)

📅 2018–2021   📍 ESPRIT, Tunis

Engineering Program in Electromechanics

📅 2016–2018   📍 ESPRIT, Tunis

Applied Bachelor's Degree in Mechanical Engineering

📅 2013–2016   📍 ISET, Tunis

TECHNICAL SKILLS

- **Backend:**

  NodeJS   NestJS   Spring Boot

- **Frontend:**

  React   NextJS   Angular

- **Databases:**

  PostgreSQL   MySQL   MongoDB   ArangoDB   Redis

- **DevOps:**

  Git   Docker   Kubernetes   Kibana   Grafana   Elasticsearch   Openshift   Nexus   Sonar   Jenkins

- **Testing:**

  Jest   @nestjs/testing   JUnit   Mockito

- **Architecture:**

  Microservices   Hexagonal   Monolithic   Modular

- **Other:**

  Kafka   BullMQ   ActiveMQ   Socket.io   Maven   TypeORM   JPA   Swagger   Keycloak   Redux   TailwindCSS   Bootstrap

- **Performance Optimization & SEO:**

  Compression   PurgeCSS   Chunk Reduction   Code Splitting   SSR Implementation

Tech : Spring Boot, NestJS, React, Angular, MongoDB, TypeORM, Docker, Kubernetes.
Methodology : Agile/Scrum

Software Engineer (Final-Year Internship) – Placeholder

📅 February 2021 – August 2021

Development of a service marketplace platform for the automotive sector.
Tech : NodeJS, NestJS, React, Redux, MongoDB, TypeORM, TailwindCSS, Puppeteer, Socket.IO, Bull, Redis, Jest, Firebase.

Internship – ESPRIT DSI

📅 August 2020 – November 2020

- Web scraping and improvement of the indexing dictionary.
- Development of internal modules: member, project, and team management.

Tech : NodeJS, NestJS, React, MongoDB, TypeORM, Puppeteer.

PERSONAL PROJECTS

Open Source – Nestier

Boilerplate supported by the official *awesome-nestjs* project (NestJS official repository).
- A production-ready NestJS boilerplate featuring hexagonal architecture, Domain-Driven Design, and a Generic Repository Pattern.

Tech : NestJS, TypeORM, MongoDB.

CERTIFICATION

CKAD — Certified Kubernetes Application Developer

LANGUAGES

Arabic: Native   French: Advanced (C1 — TCF)
English: Advanced (TOEFL iBT 80)

INTERESTS

Reading   Music   Travel