Widad Belkorche

Software Engineer | Backend & Full Stack Developer

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Profile

Software Engineer with experience in Backend and Full Stack development. Skilled in designing and developing web applications, digital platforms, and backend services, with experience working with relational and NoSQL databases and service integration. Familiar with microservices architectures, REST APIs, messaging systems, and containerization with Docker. Interested in developing robust and scalable software solutions.

Education

École Supérieure d'Informatique (ESI-SBA) Sidi Bel Abbès, Algeria
Software Engineering Degree Sep 2021 – Jul 2026
Specialization: Information Systems and Web (SIW)

Projects

Fluxera — Startup Project | Full Stack Developer Feb 2026 – Jul. 2026
Designed and developed a Supply Chain SaaS platform based on a microservices architecture. Developed backend services and REST APIs, implemented event-driven communication with RabbitMQ, asynchronous task processing with BullMQ, and file storage with MinIO. Containerized services with Docker and managed data with PostgreSQL using Prisma ORM.
Technologies: NestJS, RabbitMQ, BullMQ, MinIO, Docker, PostgreSQL, Prisma ORM, Next.js

Cloud Infrastructure Manager — Backend Developer Sep. 2026
Developed the backend of a cloud infrastructure management system using CQRS and Event Sourcing. Implemented with Spring Boot and Axon Framework, separated read/write models using MySQL and MongoDB, and containerized with Docker.
Technologies: Java 21, Spring Boot, Axon Framework, CQRS, Event Sourcing, MySQL, MongoDB, Docker

Khidmatic | Full Stack Developer Feb. 2025 – Jun. 2025
Designed and implemented a microservices architecture with REST and Kafka communication. Developed backend services, the frontend, and designed the user interface (UI).
Technologies: Node.js, Express, MySQL, MongoDB, Next.js, Docker, Kafka, Tailwind CSS

Chask — Backend Developer Oct. 2025 – Nov. 2025
Developed a collaborative platform for task management and real-time communication. Designed the backend using Prisma, PostgreSQL, and Socket.IO, implemented security through JWT authentication and role-based access control (RBAC), and set up automated testing with Jest.
Technologies: Node.js, Express, Prisma, PostgreSQL, Socket.IO, JWT, Jest, CI

Experience

Internship — Full Stack Developer & UX/UI — Remote Project — Temacina
Sep. 2025 – Oct. 2025
Developed back-office features and implemented administration and review management modules. Fixed bugs and optimized code to improve performance and stability.

Practical Internship — Support Tools Development — Algérie Télécom, Tissemsilt
Sep. 2024
Explored the company's network and software infrastructure. Designed an internal web application to facilitate the management and tracking of technical interventions.

Engagements & Open Source

Backend Contributor — Open Source — SATR-ATM — elFulk
Feb. 2026 – Present
Volunteer contribution to the backend development of the open-source *elFulk* platform. GitHub

Member — Visual Design — Club INGENIUMS — ESI-SBA
2023 – 2024
Designed visual materials for club events and participated in the organization of scientific and student activities.

Skills

Front-End: React, Next.js, TypeScript, JavaScript, Tailwind CSS, Figma
Back-End: Spring Boot, Node.js, NestJS, Express
Databases: PostgreSQL, MySQL, MongoDB
Architecture & APIs: Microservices, REST APIs, Swagger, Kafka, RabbitMQ, CQRS, Socket.IO, SOLID principles, Design Patterns
Testing & Tools: Docker, Git, GitHub, CI/CD, Jest, Unit Testing, Postman
Soft Skills: Teamwork, curiosity, adaptability, attention to detail, problem-solving, collaboration

Certifications

DataCamp — Associate AI Engineer for Developers (view certificate) — Aug. 2025
IBM — Machine Learning with Python (view certificate) — Jul. 2025
Udacity — Generative AI Fundamentals (view certificate) — Feb. 2025

Languages

Languages: Arabic (Native), French, English