

YACINE ZENDAOUI

Backend Engineer

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Summary

Backend Engineer experienced in API design, database architecture, and full-stack application development. Built systems ranging from low-level HTTP implementations to production e-commerce platforms. Focused on scalable, maintainable, and secure backend design.

Technical Skills

- **Languages:** Java, TypeScript, JavaScript, SQL
- **Frameworks & Tools:** Spring Boot, Node.js, Next.js, React, Hono, Bun, Express, shadcn/ui
- **Databases:** PostgreSQL, MongoDB, Prisma ORM, Hibernate
- **DevOps & Cloud:** Docker, Docker Compose, AWS S3, Vercel
- **APIs:** REST, GraphQL

Projects

Patient Ops (Oct 2025 – Present)

Tech Stack: Java, Spring Boot, Kafka, gRPC, PostgreSQL, Docker

- Microservices-based patient management platform with services for auth, records, billing, and notifications.
Event-driven architecture using Kafka and gRPC for inter-service communication.
- Spring Cloud Gateway for routing and centralized authentication.
- Deployed via Docker; validated AWS architecture locally using LocalStack.

Blikson Link (Apr 2025 – Jun 2025)

Tech Stack: TypeScript, API Integration

- API gateway unifying Algerian delivery providers (Ecotrack, Yalidine, ZRexpress, etc.).

- Normalized schemas and standardized request/response formats.
- Simplified integrations into a single API contract.

Kotek *(Jul 2024 – Jan 2025)*

Tech Stack: PostgreSQL, Next.js, Prisma, TypeScript

- End to end E-commerce platform with integrated custom order management.
- Designed a database with 15+ normalized tables.
- Designed the entire front-end including state management and checkout experience.
- Built an admin dashboard for inventory and order management.
- OAuth2 integration.

Lork *(May 2024 – Jul 2024)*

Tech Stack: Node.js, JavaScript, MongoDB

- Custom Node.js web framework with raw HTTP parsing, routing, and middleware.
- Implemented session management from scratch.
- Custom authentication mechanism using MongoDB.
- Educational project exploring raw web servers internals.

Education

Associate Degree — Network Administration and Security

CFPA, Algiers | Mar 2021 – Sep 2023

Languages

English: Professional working proficiency | **Arabic:** Native | **French:** Limited working proficiency