

Mohamed Bettache

Full-Stack Developer · Next.js · React · TypeScript · Node.js · FastAPI

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Full-Stack Developer focused on Next.js, React, TypeScript, Node.js and FastAPI. I build complete applications across frontend, backend and database layers, with hands-on experience in SaaS platforms, real-time systems, authentication, REST APIs and deployment. Co-founder of DzStore and Fibble, with a strong interest in backend engineering, software architecture and AI.

EXPERIENCE

Full-Stack Developer · DzStore · Co-Founder & Full-Stack Developer 2025 - Present

- Co-built a multi-tenant e-commerce SaaS platform that allows merchants to create and manage online stores without coding.
- Traction:** Reached 1,000+ users, 800+ active stores and 20+ paying PRO subscribers through organic growth and SEO.
- Architecture:** Built application features using Next.js, TypeScript, PostgreSQL, Prisma and Redis.
- Multi-tenancy:** Implemented store-specific routing and infrastructure for independently managed merchant storefronts.
- Payments & infrastructure:** Integrated online payments and deployed the application using Docker and VPS infrastructure.

Full-Stack Developer · Fibble · Multiplayer Trivia Game · Co-Founder & Full-Stack Developer 2025 - Present

- Built a real-time multiplayer bluffing trivia game for the web and Discord supporting 2–8 players.
- Real-time architecture:** Implemented multiplayer state synchronization using PostgreSQL and Ably with server-authoritative game logic.
- Features:** Developed custom question packs, media questions, bots, friends, direct messaging, moderation and premium subscriptions.
- Traction:** Reached 2,500+ players across 39 countries within the first months after launch.

PROJECTS

Backend Developer · Real-Time Chat Backend · Personal Project 2026

- Built a real-time chat backend using FastAPI, Python, PostgreSQL and WebSockets.
- Real-time communication:** Implemented WebSocket connections for real-time messaging and message broadcasting between connected users.
- Chat system:** Developed conversation and message management with persistent storage and conversation history.
- API:** Built RESTful endpoints for authentication, conversations and messages using FastAPI.
- Validation:** Used Pydantic schemas to validate requests and structure strongly typed API responses.
- Database:** Integrated PostgreSQL for persistent storage of users, conversations and messages.

Backend Developer · Subscription Management System · Personal Project 2026

- Built a backend service for managing recurring subscriptions using Node.js, Express and MongoDB.
- API:** Implemented a full CRUD API for creating, retrieving, updating and deleting subscription records.
- Automation:** Implemented scheduled workflows for detecting upcoming renewals and expired subscriptions.
- Notifications:** Added automated renewal and expiration email notifications.
- Security:** Implemented secure password hashing and authentication with JWT.

Full-Stack Developer · Expenses Tracker · Personal Project 2026

- Built a full-stack financial management application using Next.js, TypeScript, PostgreSQL and Prisma.
- Dashboard:** Developed financial summary cards, transaction management, analytics, budgets and financial visualization interfaces.
- Authentication:** Integrated NextAuth with Prisma for user authentication and persistent sessions.
- Data layer:** Designed transaction models using Prisma and PostgreSQL with strongly typed enums and relationships.
- Forms & validation:** Implemented validated transaction forms using React Hook Form and Zod.

Backend Developer · Authentication API · NestJS · Personal Project 2026

- Built a backend authentication and user-management API using NestJS, TypeScript, Prisma and PostgreSQL.
- Authentication:** Implemented JWT authentication, refresh token rotation and secure session management.
- Authorization:** Implemented role-based access control for protected resources.
- Account security:** Added email verification, password reset, rate limiting and audit logging.

EDUCATION

Bachelor's Degree in Applied Mathematics · University of Tipaza 2025 - 2028

- Studying applied mathematics with coursework covering algorithms and programming, probability and statistics, data analysis, databases, optimization and computer science fundamentals.

TECHNICAL SKILLS

Frontend	React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Redux Toolkit, Shadcn UI
Backend	Node.js, NestJS, Express.js, FastAPI, Python, REST APIs, WebSockets
Databases	PostgreSQL, MongoDB, SQL, Prisma ORM, Redis, Mongoose, Drizzle
Authentication	JWT, OAuth2, NextAuth, RBAC, Refresh Tokens, Email Verification
Cloud & DevOps	Git, GitHub Actions, CI/CD, Docker, Vercel, Render, Netlify, DigitalOcean
Integrations	Stripe, OAuth2, Resend, Nodemailer, PostHog