Oualid Bencheikh Lehocine

Fullstack Python/TypeScript Developer

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SUMMARY

Fullstack developer with 3.5+ years of hands-on experience delivering production backend and frontend systems in Python (FastAPI, Django REST Framework) and React/TypeScript. Experienced in building REST APIs on PostgreSQL, JWT/RBAC authentication, PDF processing and generation, containerized deployments with Docker and CI/CD to AWS, and automated testing with pytest. Autonomous end to end, from API design to user interface, with strong foundations in software architecture, clean code, and system design.

EXPERIENCE

Freelance Fullstack Developer July 2026 – Present

Coach Sidahmed – Online Coaching Platform (coachsidahmed.com)

- Built and maintain a bilingual (French/Arabic) fitness coaching platform end to end: REST API with **MySQL**, and a **React 19** / **TypeScript** / **Tailwind CSS** frontend.
- Delivered the full client journey (offers, multi-step subscription with PDF export, **JWT**-secured client space) and a coach dashboard to assign programmes, set nutrition targets, and review weekly progress.
- Built a daily/weekly progress tracker (training, nutrition, sleep, cardio, weigh-ins) with autosave, offline-tolerant editing, automatic scoring, and analytics (estimated 1RM, tonnage, progressive overload) visualized with **Recharts**.
- Covered business logic with 300+ feature tests and data-repair migrations for production fixes.

Backend Developer September 2023 – January 2026

Zior Tech – Upwork Agency (upwork.com/agencies/1687963179122065408)

Delegated engagement: tasks were assigned to me by the account holder rather than contracted through my own account.

- Architected a distributed PDF ingestion and processing pipeline with **Django REST Framework** and **Celery** for high-throughput document workloads.
- Developed a multi-agent workflow in **Python** and **LangChain** to extract and cross-reference insights across heterogeneous documents and data sources.
- Implemented fine-grained RBAC permissions in **Django REST Framework** for a real estate platform, securing sensitive tenant and property endpoints.
- Engineered ETL and analytics pipelines with **Python** and **SQLAlchemy** for an **AWS** cost-analysis platform computing monthly cloud spend and resource-utilization metrics.
- Built and maintained a CI/CD pipeline deploying containerized (**Docker**) **Django** services to **AWS** with zero-downtime releases.
- Contributed to code reviews, architectural planning, and production troubleshooting to improve backend quality and stability.

Fullstack Engineer (Freelance) October 2025 – December 2025

KR7 Fibre – Lift & Cable Installation Company ERP

*Stack: **Python, Django REST Framework, React, TypeScript, Tailwind CSS, JWT,** RBAC*

- Delivered the full ERP end to end, from the **Django REST Framework** API to the **React/TypeScript** interface.
- Secured the platform with **JWT** authentication and role-based access control (RBAC).
- Built an analytics dashboard with financial and operational insights.
- Implemented inventory management with real-time stock tracking, reorder alerts, and profit-margin calculations.
- Built a multi-line invoicing system integrated with products and financial tracking.
- Modeled the project lifecycle: client registration, verification workflows, staff assignment, and maintenance.

Research Intern (AI/ML Focus) September 2025

Centre De Recherche Biotechnologique (CRBT) - Constantine

- Built QSAR pipelines to accelerate model experimentation and reproducibility.
- Reproduced research papers from 2020-2021 and improved upon them by replacing **Word2Vec** + **ConvLSTM** with **ChemBERT** embeddings on SMILES-based NLP QSAR workflows.

Full-Time Fullstack Developer March 2025 – August 2025

Re:Healthify

- Helped develop backend APIs and integration-ready endpoints with **FastAPI** and **NestJS** for a UK-based health startup.
- Built user/auth modules with **TOTP**-based 2FA, multi-account social login, and fine-grained role-based permissions.
- Supported CI/CD with **Husky**, **GitHub Actions**, and **AWS EC2** deployments; used **PostgreSQL** on **AWS RDS** with **SQLAlchemy**.
- Delivered clear API documentation with **DRF-YASG** to improve frontend delivery speed.

Full-Time Fullstack Developer January 2025 – March 2025

Official Website for the Official State Library of Tissemsilt (bplptissemsilt.dz)

- Engineered a robust backend API (**Django**, **PostgreSQL**, **Docker**) for the library website supporting high monthly traffic.
- Integrated the platform with PMB open-source library management software via **JRPC** web services.
- Improved response times by approximately 40% through **Redis** caching.

PROJECTS / FREELANCING

Platform for Managing Final Year Projects (PFE) March 2025 – June 2025

- Built a fullstack university platform (**React**, **Django**) used to manage final year projects across departments.
- Implemented project submissions, approvals, milestones, team management, and notifications.
- Enabled role-based access for students, professors, and administrators.
- Added real-time collaboration using **Django Channels** and **Redis**.

Freelancing Student Websites 2022 – Present

- Built websites end to end for students and small academic initiatives, from requirements and UI to backend and deployment.

EDUCATION

Master's in Computer Science *Higher National School of Computer Science (ESI), Sidi Bel Abbès*

- Focus on Software Engineering, System Design, AI, and Data Science; solid foundations in Statistics, Probability, Linear Algebra, and Multivariate Calculus.

Baccalaureate *Ibn Taymiya High School, Constantine, Algeria*

- Graduated among the top of my class with excellence.

SKILLS

- **Backend Development: Python**, **FastAPI**, **SQLAlchemy**, Django REST Framework, Celery, NestJS, API design, ETL pipelines, **PDF processing and generation**, testing with **pytest**
- **Frontend Development: React 19**, **TypeScript**, Next.js, Tailwind CSS, responsive UI development, API integration, **Storybook**
- **Cloud & DevOps: AWS** (EC2, **S3**, RDS), **Docker**, Docker Compose, CI/CD (GitHub Actions, **GitLab CI**), Linux, Bash, **Airflow**
- **Authentication & Security: JWT**, RBAC, OAuth/social login, 2FA (TOTP), **Auth0**, secure session and token workflows
- **Databases: PostgreSQL**, MySQL, SQLite3, SQL, PL/SQL, Redis
- **Version Control:** Git, GitHub, GitLab.
- **Software Architecture:** SOLID principles, OOP design patterns, monolithic, microservices, layered, and MVC architectures
- **Languages:** French (good), Arabic (native), English (fluent)