

JEAN DOUAIHY

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EDUCATION

Bachelor in Computer Science , American University of Beirut	Sep. 2021 – Nov. 2024
French Baccalauréat in Math and Economics , Collège Notre Dame De Nazareth	Sep. 2008 – Jun. 2021

EXPERIENCE

Full Stack Developer	Mar. 2026 – Present
DeskDeals (Startup) ✦ <i>deskdeals.co</i>	<i>Remote / Beirut, Lebanon</i>

- Architected and built the full backend of a three-sided B2B marketplace using **Python/FastAPI** and **PostgreSQL**, handling business logic for companies, employees, and merchant partners.
- Implemented JWT authentication with refresh token rotation, role-based access control across three user types, and AWS S3 media storage with presigned URL handling.
- Containerized the application with **Docker**, provisioned cloud infrastructure on **AWS** (EC2, RDS, S3) using Pulumi IaC, and built a **React 19**/TypeScript frontend.

Software & Systems Engineer	Apr. 2025 – Feb. 2026
BCom Offshore SAL	<i>Beirut, Lebanon</i>

- Served as technical liaison for **Inpulse**, the company's internal web platform; translated operational workflows into software requirements and guided the development team through feature delivery.
- Monitored and managed VSAT satellite networks across global deployments; performed remote troubleshooting of connectivity and performance issues, coordinating incident escalations to maintain SLA compliance.

Web Development Intern	Jun. 2024 – Aug. 2024
Natlaupa	<i>Neuilly-sur-Seine, Île-de-France, France</i>

- Built RESTful backend services with **Node.js/Express** and designed **MongoDB/SQL** schemas for scalability across multiple application modules.
- Integrated third-party APIs and implemented authentication systems to secure user session management.

IT Support & Developer Intern	Jun. 2024 – Aug. 2024
Tekwin	<i>Ferrières-en-Brie, Île-de-France, France</i>

- Built API integrations and **Python** scripts to automate reporting workflows; configured and deployed Ubuntu-based systems with enforced security protocols.

PROJECTS

- **Social Media Platform (MERN Stack)** — Full-stack app with JWT auth, post/comment/like/follow interactions, and a REST API served to a React frontend.
- **Real Estate Marketplace (Android Studio, SQLite)** — Property listing app with AI-powered natural language search and recommendations based on user browsing history.
- **UniFlow (MERN Stack)** — Student productivity tool with task assignment, deadline tracking, and shared workspaces across course groups.

SKILLS

- **Languages:** Python, JavaScript, TypeScript, Java, C++, SQL, HTML/CSS
- **Backend:** FastAPI, Node.js, Express, REST APIs, JWT Auth, RBAC
- **Frontend:** React 19, TypeScript
- **DevOps & Cloud:** Docker, AWS (EC2, RDS, S3), Pulumi, Git, Linux
- **Databases:** PostgreSQL, MongoDB, MySQL, SQLite

LANGUAGES & CERTIFICATIONS

Arabic (Native) **French** (Native) **English** (C2 - Fluent)

Web Security Path (Semicolon Academy) **Web Development Workshop:** HTTP, HTML/CSS/Bootstrap