Sleima Ducros

Full-Stack Developer | Python · React · Next.js | Building reliable, data-driven web apps

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PROFILE

Full-Stack Developer who enjoys turning ideas into clean, reliable, and user-friendly web applications.

My main stack is **Python and Next.js (React),** combining robust back-end logic with fast, modern interfaces. I also explore tools that add real value, such as SQL, Supabase, Docker, and lightweight AI integrations (Hugging Face, OpenAI).

I'm detail-oriented, curious, and collaborative, and I thrive in environments where I can keep learning while contributing to meaningful, production-ready projects. I aim to build reliable, user-focused web applications that make a real impact.

KEY PROJECTS

Data Pipeline & Monitoring Dashboard — Python, Pandas, Streamlit, Altair

Built and deployed an end-to-end data pipeline to process and visualize web-server logs.
Automated data cleaning and simple anomaly detection; interactive dashboard for real-time monitoring.
Processed several thousand log entries across multiple test runs to ensure reliability of insights.
Designed for scalability and reusability as a lightweight internal tool.

Royella Hotel — React, Django, MySQL

Developed a full-stack hotel management system with search, booking, and client-record management.
Automated forms and optimized search performance through multiple iterations.
Simulated real-world usage to validate booking logic and UI responsiveness.

AI Prototypes — Flask, Next.js, Hugging Face, OpenAI

Created small demos (chatbot, image generator) using Flask and Next.js to explore practical AI use cases.
Focused on reliable APIs, minimal UI, and iterative prompt tuning for consistent results.

(More projects on GitHub: github.com/SleimaD)

PRACTICAL TRAINING & APPLIED EXPERIENCE

MolenGeek, Brussels   Nov 2023 - Jun 2024
Full-Stack Developer Trainee

Immersive 34-week program combining team projects, agile sprints, and real-world coding workflows.
Built multiple front-end and full-stack applications with React/Next.js and Python, replicating real company workflows (Agile/Scrum).
Focused on clean UI, reusable components, REST APIs, and team collaboration under tight deadlines.

EDUCATION & CERTIFICATIONS

- **IBM AI Developer Certification (Generative AI, NLP, Hugging Face)** — Coursera | 2024–2025
- **Full-Stack Web Development (34-week intensive)** — MolenGeek Coding School | 2023–2024
- **Bachelor studies in Business Informatics** (**2 years completed**) — ISFCE Brussels | 2021–2023

TECHNICAL SKILLS

- **Frontend**: React, Next.js, Tailwind CSS, TypeScript, React Native
- **Backend**: Python (FastAPI, Django, Flask), REST APIs, Next.js API Routes
- **Data & AI**: Pandas, Streamlit, Altair, Hugging Face, OpenAI, Generative AI (Prompt Engineering, NLP)
- **Database**: SQL (MySQL, PostgreSQL), Supabase (Auth, Storage)
- **Dev Tools**: Git/GitHub, CI/CD (Vercel, GitHub Actions), Docker (basics), Figma
- **Languages:** French (*Native*), English (*C1*), Dutch (*B1*)

*Eligible for an **IBO/FPI** contract*