



ZAKARIA OUKACHEBI

Junior Full-Stack Developer Python • JavaScript • React • Django

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Namur, Belgium

in Zakaria Oukachebi

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TECHNICAL SKILLS

Languages

- Python
- JavaScript (ES6+)
- Java
- SQL
- Prolog
- HTML/CSS

Frameworks & Tools

- Django REST
- React / Vite
- REST APIs
- JWT Auth
- ANTLR
- XML

Databases

- PostgreSQL
- SQLite
- ORM

Dev & Collaboration

- Git / GitHub
- Linux
- Jenkins CI
- WebSockets

LANGUAGES

French: **Native**

English: **B2**

Arabic: **Native**

Amazigh: **Native**

SOFT SKILLS

- Fast learner
- Problem solving
- Self-directed
- Adaptability
- Teamwork

INTERESTS

- Open Source
- Compiler design
- Artificial Intelligence
- DB modelling
- Clean architecture

PROFILE

Final-year Computer Science student at Université de Namur with solid hands-on experience in full-stack development using **Python, JavaScript, React and Django REST**. I enjoy understanding how systems work end-to-end, from database schema design to UI, and I'm driven by writing clean, maintainable code. Experienced with **PostgreSQL, Git, Linux and REST APIs** fast to pick up new frameworks. Seeking a **Software Developer** role where I can contribute to real-world products, take ownership, and keep growing as an engineer.

EDUCATION

Bachelor in Computer Science – Bac 3 (Final Year) | [Université de Namur](#)

📅 Sep 2022 – Present

📍 Namur, Belgium

- Algorithms & Data Structures, OOP, Web Technologies, AI & Logic
- Databases I & II, Compiler Design, Functional Programming, HCI

PROJECTS

MotionRecovery Improved – Physiotherapy Telerehabilitation | [React](#) · [Django REST](#) · [Python](#) · [PostgreSQL](#) · [JWT](#)

📅 2025 – Present

- Rebuilt from scratch as a web application for a physiotherapy platform originally developed in C# with XML interfaces
- Designed and implemented REST API endpoints with JWT authentication and role-based access control (Patient / Physiotherapist / Admin), consumed by the React frontend
- Developed both frontend and backend components, handling the full request lifecycle from UI to database
- Integrated optional Kinect v2 motion capture via Kinectron

▶ [Demo video available on YouTube](#)

PontuXL – AI-Assisted Strategic Board Game | [JavaScript](#) · [Prolog](#) · [WebSockets](#) · [HTML/CSS](#)

📅 2025 – 2026

- Implemented a 4-player board game (6×6 grid) with full game logic, bridge management and move validation
- Designed two AI heuristics using Minimax and Alpha-Beta pruning adapted to 4-player maxn trees
- Built a Prolog chatbot advisor answering natural language questions about the game state via WebSockets

EMJ Compiler – Emoji DSL to MicroPython | [Java](#) · [ANTLR](#) · [Jenkins CI](#)

📅 2024 – 2025

- Built a complete compiler pipeline: lexer/parser (ANTLR grammar), AST, semantic analysis with symbol table
- Generated executable MicroPython code for Cutebot robots via Micro:bit; passed full black-box test suite (Jenkins CI)
- *Grade: 14.5 / 20*