YOUCEF BOUTICHE

PYTHON DEVELOPER ENGINEER

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Holder of a Master's degree in Web Analytics from the University of Lille and a Master's degree in Software Engineering and Information Processing from the University of Boumerdès (Algeria), I am seeking a new opportunity as a Python developer to leverage my knowledge and expertise to contribute to innovative projects.

PROFESSIONAL EXPERIENCE

CloudDataEngine – Villeneuve-d'Ascq – FRANCE   2025–2026
PYTHON BACK-END DEVELOPER (6 MONTHS)

- Development of backend APIs with **FastAPI** for automating ICT service compliance checks. Data model design using **Pydantic**. Authentication and authorization via **Keycloak**. Web interface development with **NiceGUI**. Management of semantic databases with **RDF4J** and **SparQL**. Implementation of **unit tests** and **integration tests** with **pytest**.
- Set up a CI pipeline with **GitLab CI/CD** (jobs, stages, test automation).
- Containerization of services with **Docker** and **Docker Compose** for container execution.

Quantificare – Sophia Antipolis – FRANCE   2025
FLUTTER DEVELOPER INTERN (6 MONTHS)

- Created a **Flutter plugin** to adapt a 3D desktop model to Android/iOS. Integration of internal native **C++** libraries in Flutter via **FFI**, OpenGL ES context management with **Kotlin**. Analysis of datasheets, presentation of technical solutions to managers. Collaboration with cross-functional teams (Method, Web) using collaborative tools (**Git, GitLab, Jira**) following an Agile approach.

University of Boumerdès – Algeria   2022–2024
PART-TIME LECTURER IN ALGORITHMICS

- Taught fundamental algorithms concepts and supervised practical labs in C++.

Freelance – Algeria   2023–2024
MOBILE & WEB DEVELOPER

- Built a hotel room reservation application enabling users to book online with two payment options: via **PayPal** or payment at check-in. Stack: **Django** (server-side), **PostgreSQL** (database), **HTML, CSS, JavaScript** (front-end).
- Designed and developed a complete inventory management web application using **Django** for server logic and **HTML/CSS/JavaScript** for the user interface.

Sonatrach (Oil Company) – Algeria   2022
INTERN

- Developed a web platform for data analysis, processing, and filtering. Used **Django** for server-side management, **scikit-learn** for machine learning model integration to predict flow rates and prevent blowouts at oil wells, and **pandas** for data cleaning and filtering.

PERSONAL PROJECTS

Chatbot Mobile App: Built an interactive ChatGPT-like chatbot. (Flutter – Firebase – Django – Groq API)

E-Commerce App: Developed an e-commerce web application. (Django, PostgreSQL, HTML, CSS, JS)

CRM Project: Designed and built a customer relationship management application. (Django, Python, rest_framework API, Vue.js, PostgreSQL)

Marketing Web: Created a blog and optimized its SEO. (WordPress, Semrush)

EDUCATION

University of Lille – France   2025

MASTER'S IN WEB ANALYTICS

Programming in Dart (Flutter), PHP (Symphony) and Python (Django), Web Architecture and Applications, Business Intelligence Power BI, Machine Learning for the Web, Web Marketing.

University of Boumerdès – Algeria   2022
MASTER'S IN SOFTWARE ENGINEERING AND INFORMATION PROCESSING

Algorithmic Complexity, Formal Methods, Advanced Databases, UML Design, Information Retrieval, Advanced Design Methods.

University of Boumerdès – Algeria   2020
BACHELOR'S IN INFORMATION SYSTEMS AND SOFTWARE ENGINEERING

Information Systems, Decision Support Systems, Advanced Web Programming, UML Design.

SKILLS

Languages & Frameworks: Python, FastAPI, Django, Flutter (Dart), HTML, CSS, JavaScript, Vue.js, PHP (Symphony)

Data & Databases: SQL, MySQL, PostgreSQL, RDF4J, SparQL, pandas, scikit-learn

Tools & DevOps: Git, GitHub, GitLab, Docker, Docker Compose, GitLab CI/CD, Jira, Agile

Other: Pydantic, mypy, CMake, Ninja, Linux, VS Code, NiceGUI, Firebase, Keycloak, Power BI

LANGUAGES

French: Fluent
English: Professional
Arabic: Native