

MONTCHO Wesley Eliel

Python/Django Full-Stack Developer

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SUMMARY

Full-Stack Python/Django Developer with 4+ years of experience, specializing in creating secure and well-designed web applications. Proficient in Django, Django ORM, and Django REST Framework, with expertise in problem-solving, API design, and backend optimization. Passionate about tackling challenges and delivering robust software solutions.

EDUCATION

- **Master 1, Information Systems and Computer Networks** | IFRI UAC Benin | Mention: Bien (2024)
- **Bachelor's Degree, Electrical Engineering and Computer Science** | IUT Lokossa, Benin | Mention: Bien (2020)
- **Baccalaureate, Serie C** | CEG1 Glazoué, Collines, Benin | Mention: Bien (2017)

PROFESSIONAL EXPERIENCE

Full-Stack Developer *Uptimise* | Since June 2023

- Daily contribution to the development of a multi-country **B2B SaaS** platform for HR and payroll management, serving over 60 clients and complying with complex local legislations.
- Participation in designing a **microservices** architecture and **micro-frontends**, improving modularity and reducing deployment times for new features.
- Implementation of an end-to-end authentication and authorization system (**IAM**) with granular access control (**RBAC**), enhancing platform security.
- Development of event-driven workflows (EDD Architecture) to automate critical business processes, improving operational efficiency.
- Optimization of SQL query performance via Django ORM, significantly reducing API response times.
- Refactoring of **legacy code** and application of **Agile** methodologies for project and bug tracking, improving code maintainability and team velocity.

Technologies: Python, Django, Django REST Framework, PostgreSQL, Microservices, Kafka, Celery, Docker, IAM, RBAC, Linux.

Full-Stack Developer (Primary Role) *Examchic, Benin* | August 2020 - June 2023

- Led the design and development (autonomously) of REST APIs and frontend interfaces for the company's platforms, using Django and Vue.js/React.
- Optimized backend queries and implemented caching strategies, significantly reducing average API latency.
- Designed and integrated a Python script for **data extraction and structuring from PDFs**, laying the groundwork for a future semantic search engine with Elasticsearch.

- Performed **DevOps** tasks (server management, monitoring, error handling), improving release reliability.
- Proposed and implemented automated testing workflows using Python + **Selenium**, exclusively for automated web testing.

Technologies: Python, Django, Vue.js (NuxtJS), React, PostgreSQL, Docker, Elasticsearch, Redis, Celery, Linux, Nginx.

Python Backend Developer (Freelance Project) Wulo Events | January 2022 - September 2024

- Architected and developed backend RESTful APIs for a mobile event and ticketing management application with **secure transactions**, supporting a user base of over 1000.
- Implemented a subscription model for organizations and a geolocated event search and suggestion system, boosting user engagement.
- Optimized database performance and introduced caching, ensuring a smooth user experience even during traffic peaks.
- Set up **asynchronous order processing** and **multi-channel notifications** (email, push, in-app), guaranteeing a reliable and scalable service.
- **Automated financial processes**, including revenue sharing and commissions, with integration of local **payment gateways**.

Technologies: Python, Django, Django REST Framework, PostgreSQL, Celery, AWS S3, Docker, Sentry.

SKILLS

- **Languages:** Python, JavaScript, Java, Node.js
- **Frameworks & Libraries:** Django, Django REST Framework, FastAPI, React, Vue.js
- **Databases & Cache:** PostgreSQL, MongoDB, Redis, Elasticsearch
- **Tools & DevOps:** JetBrains IDEs, Git, Docker, Kubernetes (Basic Concepts), Nginx, Celery, Kafka, Sentry, Linux
- **Concepts:** Microservices Architecture, REST API, IAM/RBAC, CI/CD, Agile

OTHERS

- **Training Activities:** DevOps practices and backend development with Django (PythonBenin)
- **Personal Project:** Full-stack design and development of an e-commerce application for selling jerseys

LANGUES

French (Fluent), English (Technical Basis), Fon (Native Language)

INTERESTS

Music (Bass Guitar), Reading.