



Sabir BERTIT

Senior Python Backend Engineer

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Address

Nanterre, FR

As a passionate Python developer, I specialize in designing web applications with a strong focus on maintainability, scalability, testability, and clear separation of concerns. I am committed to building robust, reliable software that is easy to evolve and supports long-term growth.

Compétences Techniques

Python & Backend

- Python
- FastAPI
- Django
- Django REST Framework
- Flask
- SQLAlchemy
- SQLModel
- Alembic
- Celery
- Faust-streaming
- Pandas
- GeoPandas
- Numpy
- REST API

Data & Storage

- Databases: PostgreSQL, MySQL, Oracle, Redis
- Storage: S3, MinIO

Tools

- VCS : Git
- Static Analysis : ruff, mypy, bandit, isort, black, pre-commit.
- Dependency & Environment Management: uv, pyenv, pipx, poetry, pipx

Infrastructure & CI/CD

- Containerization : Docker, Podman
- Web server : Gunicorn, Nginx
- Brokers de Messages : Kafka, RabbitMQ
- AuthN/AuthZ : Keycloak, Okta, Auth0
- Reverse proxies : Traefik, Nginx
- CI/CD: Github, Gitlab, Azure Devops
- Cloud: AWS, Azure

Orchestration & Automatisation

- Prefect
- Celery
- BPMN

Architecture & Code structures

- MVC/MVT
- Clean and Hexagonale Architectures
- Microservices
- Event-Driven
- Test-Driven Development (TDD)
- Domain-Driven Design (DDD)

Tests et Qualité

- Packages: pytest, unittest
- Tests: Unit tests, Integration, E2E

Profiling

- Scalene
- Crofile
- Pyinstrument

Agile Methodologies

- Agile
- Scrum
- Kanban

Formations

Engineering Degree — Computer Science & Software Development

Faculté des Sciences et Techniques Gueliz 2012 - 2015 Marrakech, Morocco

DEUG — Applied Mathematics

Faculté des Sciences, Université Ibn Zohr 2010 - 2012 Agadir, Morocco

Baccalauréat — Applied Mathematics

Lycée El Massira El Khadra 2010 - 2012 Tiznit, Morocco

Expériences professionnelles

Direct Assurance

Insurance

Suresnes

France

09/2025 - Present

Senior Software Engineer

- Backend Development & Maintenance:** Implement new features in existing microservices (Auto, Health, Home insurance); contribute to the evolution and optimization of REST APIs exposing pricing services.
- Quality & Performance:** Set up and maintain automated tests (unit, integration, load); ensure code robustness, security, and maintainability; contribute to continuous improvement (code reviews, documentation).
- Collaboration & Support:** Work closely with actuarial, QA, and DevOps teams; identify, analyze, and fix bugs and performance issues.

Microservices; Graphe theory; Python; FastAPI; Ruff; uv; Pre-commit; Azure DevOps; Databricks; Docker; Podman; Azure Cloud; Concurrency; Profiling.

Axione

FTTH

FTTE

Geo Data

GIS

Malakoff

France

07/2022 - 06/2025

Backend Developer

- Contributed to delivering applications from scratch**, actively involved in all phases of the SDLC (planning, analysis, design, implementation, testing, deployment, maintenance).
- Set up an automated file transfer solution between NAS and FTP server via an event-driven architecture (Kafka), including MFT orchestration and client notifications.
- Automated GRACE THD V3 file processing:** built a FastAPI, orchestrated via Prefect, handled geospatial data with Pandas/GeoPandas, generated optical network components (OSP, ISP, Splices), stored on S3.
- Developed a geospatial ETL application:** synchronized data from multiple Oracle databases to a central DB using parallel processing (Multiprocessing/Multithreading), Redis caching, and dynamic projection detection.
- Best practices:** Hexagonal & Clean Architecture, SOLID principles, multi-team dev standards, pre-commit hooks (Ruff, Mypy, Bandit, PyUpgrade, GitLeaks), modern tooling (uv, pyenv, pipx).

Architectures: Hexagonal and Clean; Python 2 and 3; SQL; Ruff; UV; Pyenv; Pipx; Pre-commit; Mypy; Bandit; Isort; Object Storage (MFT, S3, MinIO); Kafka; BDDR (MySQL, SQLite, PostgreSQL); Redis; Keycloak; Traefik; Docker; Django; DRF; FastAPI; Concurrency; Parallelism, Faust; GitLab; Ubuntu; Fedora; MacOS.

Baracoda

Health

IoT

Neuilly-sur-seine

France

03/2022 - 07/2022

Backend Developer

- Developed BLE/Wi-Fi communication modules between medical IoT devices and mobile app (Python, MQTT)
- Integrated REST APIs to sync medical data with cloud health platforms
- Built a Django REST API for patient health data management and tracking
- Migrated ORM layer from Django ORM to SQLAlchemy / Alembic
- Defined API contracts for inter-service interoperability and data consistency
- Unit and integration tests (pytest); code reviews with SOLID and Clean Code practices

MVT; Python 3.6; AWS; Alibaba; Kubernetes; Django; DRF; GitHub; Pylint; Bandit; Isort; Black; Asyncio; Redis; SQL; PostgreSQL; FastAPI.

Chronopost

Express Delivery

Logistics

Paris
France

06/2019 - 12/2021

Backend Developer

- Developed and maintained TETHYS, Chronopost's customs clearance tool (Django, DRF)
- Analysed parcel lifecycle business rules and reverse-engineered the legacy application
- Built the return processing workflow and communication modules with French Customs
- Asynchronous communication with French Customs via Celery / RabbitMQ (file exchanges)
- Dockerized the project; managed staging and production deployments with Git Flow versioning
- Unit tests in development; functional tests on dev and staging servers

Django; DRF; Celery; Python 3; SQL; PostgreSQL; Nginx; Unicorn; Redis; RabbitMQ; Docker; Git Flow; Supervisor; Ubuntu; Windows.

Conexcap Technologies

Finance

Marrakech
Morocco

10/2017 - 04/2019

Full Stack Developer

- Analysed multi-platform authentication systems and SSO architecture for the 570 EASI group
- Secured communications and centralized/synchronized the shared database
- Built REST APIs for the FairInvest SCPI platform (real estate investment subscription)
- Integrated forms, validations and client document management
- Celery task + Django Signals: computed and updated client document JSON in server cache
- Unit and functional tests across both projects; mentored junior developers
- Docker deployments; Nginx and Jenkins CI configuration

Django; Django Rest Framework; Laravel; python; Javascript; JQuery; Bootstrap; Html; Css; MySQL; Nginx; Unicorn; Jenkins; Docker; Ubuntu Server; MacOS.

Trans4orient

Translation

Marrakech
Morocco

01/2016 - 10/2017

Full Stack Developer

- Built Twork ERP (Django/Python): integrated platform covering project management, HR and billing for a translation company
- Domain analysis, technical documentation and development/deployment planning following Agile methodology
- Asynchronous mass email sending to subcontractors for task proposals via Celery
- Periodic Celery task: computed internal resource availability and notified project managers
- Built subcontractor portal with connected workspace and account management
- Billing module and activity reporting dashboard

Django; Python 2 et 3; Pascal; Javascript; JQuery; Ajax; Html; Css; Bootstrap; MySQL; Apache; Ubuntu; Windows.

Interests

- Sport
- Tech Enthusiast
- Eternal Explorer
- Cinema & Anime Fan

Langues

English, French, Amazigh, Arabic