

MAME A. FAYE

Senior Back-End Developer — PHP / Symfony / API

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PROFILE

Senior Back-end Developer specialised in **PHP** and **Symfony**, with 9 and 7 years of experience respectively — APIs (API Platform), high-volume data flows, multi-tenant SaaS and agentic AI (MCP).

Throughout my career, I have contributed to the development of solutions based on the following technology stacks: *PHP (7, 8), Symfony (3 → 7, upskilling on 8), RESTful APIs (API Platform 2/3, FastAPI, Django Ninja), asynchronous messaging (RabbitMQ, Mercure, SSE), Elasticsearch (ELK), Python (Pandas, Polars, SQLAlchemy, Jupyter), payments (Stripe, PayZen, Orange Money) and agentic AI (MCP, FastMCP, WebMCP).*

Today I run my own products — **t-ket** (tketops.com) and **CONVOY** (convoy-ai.com) — through MAFAPP SASU, and I leverage all this expertise for the benefit of my clients and collaborators, as a freelancer or on a permanent contract.

KEY SKILLS

Languages	PHP, Javascript, Python, TypeScript
Frameworks	Symfony, ApiPlatform, AstroJS, SvelteJs (Middle), Django, FastAPI, Flask, ReactJs, React Admin
Agentic AI & MCP	MCP (Model Context Protocol), FastMCP, WebMCP, RAG (pgvector, Qdrant), Groq Cloud
Payments & E-commerce	Stripe, PayZen, Orange Money, Shopify
Data Management	SQL, Mariadb, MySQL, Doctrine, Elasticseach, Pandas, Polars, Jupyter, PostgreSQL, SQLAlchemy, AWS S3, MinIO, pgvector, Qdrant
Asynchronous & Messaging	RabbitMQ, Mercure, SSE / EventSource, Workers Python, GCP Pub/Sub
API Security	JWT, Sécurisation des routes API, OWASP
Libraries	PhpUnit, XDebug, PhpStan, GrumPHP, PhpCsFixer, Webpack, Twig, Mjml, JQuery, Sass, SonarQube, LaTeX
Version Control	Git, Gitlab, Bitbucket, Docker, GitHub, CI/CD (GitLab Runner self-hosted)
Package Managers	Composer, Poetry, Pipenv, NPM, PNPM, Yarn
Monitoring	Kibana, Datadog, Grafana
Maps	OSM, shapefile, Leaflet
Operating Systems	MacOS, Linux

EXPERIENCE

FullStack Web Developer (Freelance) — OPCO Mobilités Sep 2024 - July 2026 · Boulogne-Billancourt

- Lead backend developer on the member management project at OPCO Mobilités, a skills operator in the transport and logistics sector
- Team of 7 developers, 2 project managers
- Major migrations: PHP 7 → 8, Symfony 6.0 → 6.4, ApiPlatform 2.7 → 3.4 (SF7/AP4 preparation)
- Unit & functional tests (0 → 70% coverage), notification monitoring with Teams alerts, API security
- Features: CERFA v14, training agreements, employee import, Qualtrics surveys, invoice generation, GED/ERP caching, UUID migration
- Tech-radars, mob-reviews facilitation

Stack : *PHP8, Symfony6, ReactAdmin, ApiPlatform, PHPUnit, Git, PostgreSQL, MySQL, Docker, Mercure, SonarCube, SSO, GED, ERP, Teams, Monitoring, Agile Methodology, Qualtrics, CERFA, UUID*

FullStack Web Developer (Freelance) — Continuity Tech Oct 2023 - July 2024 · Paris

- Backend developer on a SaaS project at Continuity Tech, enabling insurance companies to subscribe to and monitor their clients through alerts detected by analysis tools
- Team of 3 developers
- Developed new features, refactoring and code optimization
- ApiPlatform migration 2.6 → 3.3

Stack : *PHP8, Symfony6, Python, ApiRest, ApiPlatform, PHPUnit, GitLab, PostgreSQL, Docker, Datadog, Agile Methodology, RabbitMQ, Mercure*

FullStack Web Developer — Data Impact by NielsenIQ Oct 2019 - Aug 2023 · Paris

- Development of tools for handling large data flows
- Internal CRM for large data flows
- Workflow system automating product matching and categorization
- Implemented Elasticsearch (self-managed then cloud) for complex searches on millions of products
- Python worker synchronizing database to Elastic

Stack : *PHP7, Symfony, Python, Elasticsearch, API REST, PHPUnit, GCP: Pub/Sub, Cloud Functions, Cloud Run, Google Cloud Storage, Bitbucket CI, ReactJs, SQL, Bootstrap, JavaScript, Docker, Datadog, Grafana, Agile Methodology, Fast-API, Django Ninja, Jupyter Notebook, Pandas, Polars, Software Architecture*

Lead Developer (Freelance) — Afyacare Jan 2018 - Apr 2020 · Paris

- Creating a rechargeable electronic health wallet in pharmacies
- Health wallet development: account creation and management, recharge, transactions, shared wallets management

Stack : *PHP7, Symfony4, ApiPlatform, GitLab, GitLab CI/CD, MySQL, Bootstrap, JavaScript, Team Management, Agile Methodology, Database Design and Administration, Software Architecture*

FullStack Web Developer — N.O.U.S Agency

Nov 2017 - Oct 2019 · Toulouse

- In a dynamic and small team, we handle multiple projects
- Lead Developer Apas-ONF project: CRM for company committees (CE) management of National Forestry Office (ONF)
- Expertes Directory: French web directories improving women's visibility in public space and media
- B.A.S.E project: Platform for managing Europe Écologie Les Verts (EELV) members
- Data migration from SDN to new CiviCRM-based CRM
- Slide Your Net: social media scraper project

Stack : PHP7, Symfony4, Elasticsearch, API REST, GitLab, GitLab CI/CD, ReactJs, MySQL, Bootstrap, JavaScript, Project Management, Agile Methodology, Data Migration, Database Design and Administration, Symfony, WordPress multisites, Python, Pyramid, PHP, CiviCRM, WordPress, Facebook & Instagram API, Twitter API

Co-founder & Lead Full Stack Web Developer and Designer — AMALOG

Mar 2016 - Aug 2018 · Dakar

- In charge of a team of three people: two developers and a graphic designer
- Price aggregator (e-commerce, real estate, banks, flights)
- Scrapy spiders, REST APIs, automatic ranking algorithm, Orange USSD/SMS API integration

Stack : PHP, Symfony, CodeIgniter, Elasticsearch, Python, Scrapy, REST API, Amadeus API, GitHub, SQL, Bootstrap, JavaScript, jQuery, Project Management, Team Management, Database Design and Administration

PERSONAL PROJECTS

t-ket — Ticketing & work-order management SaaS

2026 – Present · SaaS

- t-ket (tketops.app) is a multi-tenant SaaS for ticketing and work-order management in facility management and construction
- It replaces scattered exchanges over WhatsApp, email and Teams with a single source of truth: sites, buildings, zones and rooms, roles and teams, a 6-status Kanban board, multi-view planning, .ics and .xlsx exports, and automatic work-order ingestion by email
- The platform is in production with its first client

Stack : Symfony 7.4, PHP 8.4, API REST, React 18, TypeScript, PostgreSQL, Mercure, Docker, Multi-tenant

CONVOY — Agentic e-commerce (MCP / WebMCP)

2026 – Present · SaaS

- CONVOY (convoy-ai.com) is a multi-tenant SaaS platform positioned as a "backend for LLMs"
- It exposes merchant catalogues and tools to AI agents through the Model Context Protocol (MCP) and WebMCP, making agentic e-commerce possible: an agent can search for a product, compare it, configure it and trigger an order. Co-founder & CTO

Stack : Symfony, API Platform, Python, FastMCP, MCP, WebMCP, Docker, Cloudflare Tunnel

SENTINEL — Maritime surveillance of Senegal's EEZ

2026 · Maritime

- Personal proof of concept for a maritime surveillance platform covering Senegal's Exclusive Economic Zone, combining real-time AIS data and satellite imagery
- The goal: detect anomalous vessel behaviour (AIS going dark, suspicious tracks, presence in restricted zones) by cross-referencing AIS tracking with Sentinel-1 radar imagery

Stack : PHP, WebSocket, AISStream, Copernicus Sentinel Hub, MapTiler, Docker

Medical RAG system — generative AI

2025 · AI

- A Retrieval-Augmented Generation system applied to the medical domain, allowing clinical documents to be queried in natural language
- Deployed on two instances, chat.afred.ai and chat.imane.ai
- Vector indexing through pgvector and Qdrant, automated extraction from PDF/JPG prescriptions via OCR, and an MCP server (FastMCP) that makes the RAG consumable by AI agents

Stack : Python, FastAPI, pgvector, Qdrant, FastMCP, Groq Cloud, Llama 3.3 70B, Claude Haiku 4.5, OCR, React, Docker

Technical setup of Shopify stores (x2)

2025 – 2026 · E-commerce

- Technical support for two Shopify stores for clients in my network: theme configuration, app installation and setup, catalogue, shipping and payment method configuration, through to going live

Stack : Shopify, Liquid, Thèmes & apps Shopify

My Portfolio

2023 – Present

- Multilingual FR/EN portfolio site built with AstroJS, presenting projects, experience and technical skills
- Automated generation of the CV as PDF and of the skills portfolio as DOCX from the same content sources, with experience filtering by importance
- Continuous deployment over rsync from GitLab CI

Stack : AstroJS, i18n, TypeScript, daisyui - TailwindCSS

FORMATIONS

Master in Web Development and Digital Marketing — ECS, Toulouse · 2017–2019

Bachelor in Teleinformatics — Software Engineering & Network Administration — ESTM, Dakar · 2011–2014

LANGUAGES

Français — langue maternelle
Anglais — professionnel