LEDRU Mathieu

86 Quai de la Loire 75019 Paris
Telephone: 06 78 37 32 34
Email address: mathieu@darkwood.fr
Website: https://hello.darkwood.fr

Senior PHP Symfony / React.js Engineer

Seeking a Symfony/Fullstack Backend Mission
On-site work in Paris

Profil

10 years of experience in Paris.

Education and Certifications
2008: Engineering degree from Polytech'Paris Sud.

Key Skills
PHP 7 to 8, Symfony 4 to 6, React.js, Vanilla Javascript, Typescript, API Platform, Sulu, ElasticSearch, Varnish, Redis, PHPUnit, Github Actions, Gitlab CI, Docker, Nginx, Caddy Server, DDD, Design Patterns, Git.

Strengths
- Senior expertise.
- Fullstack.
- Autonomous and rigorous.

Languages
Professional English.

Contact
- Twitter https://twitter.com/matyo91
- Github https://github.com/darkwood-fr
- Blog https://blog.darkwood.fr
- Freelance https://hello.darkwood.fr
- Linkedin https://www.linkedin.com/in/mathieu-ledru
- Discord https://discord.com/invite/tMDCF8RyvE
- YouTube https://www.youtube.com/@matyo91
- DJ https://www.youtube.com/@djmatyo91

Automation Products
- Flow: https://github.com/darkwood-fr/flow in full PHP uses asynchronous programming, functional programming, and the visual assembly of reusable components.
- Uniflow: https://github.com/uniflow-io/uniflow, Flow's big brother in full TypeScript, interconnecting the tools.

Main professional experience

TWENGA SOLUTIONS: April 2024 – Present

Senior PHP Engineer in Paris.

GAMESTREAM: May 2023 – April 2024

Freelance Senior PHP Engineer in Paris.

Env.: PHP 7.3, Symfony 5, Docker, Nginx, MySQL, Galera Cluster, PostgreSQL, PGPool, ProxySQL, MaxScale, HAProxy, GlusterFS, GitLab, CI/CD, Redis/KeyDB Cluster, Git.

CLARANET: January 2023 – April 2023

Freelance Senior PHP Engineer in Lille.

Env.: PHP 8.1, Symfony 6, ApiPlatform 2.7, ElasticSearch 7.6, RabbitMQ 3.6, Varnish, Redis, PostgreSql, docker, Linux, Git.

MEDIATECH: June 2022 - December 2022

Senior PHP Engineer in Freelance Remote.

Env.: PHP 8.1, Symfony 6, PostgreSQL, ElasticSearch, Kibana, Logstash, Google Cloud Platform, Docker, Nginx, Gitlab CI, PHPUnit, RX.js, Angular, Git.

DARKWOOD: March 2020 – May 2022

Remote Entrepreneur.

MEERO: August 2019 – February 2020

Senior PHP Engineer on permanent contract in Paris 02.

BIGYOUTH: October 2012 – July 2019

Confirmed PHP Engineer on permanent contract in Paris 02.

LES-ARGONAUTES: September 2008 – September 2012

Junior PHP Engineer on permanent contract in Paris 11.

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Période	Avril 2024 – Aujourd'hui
Contrat	CDI
Localisation	Paris
Client	TWENGA SOLUTIONS
Fonction	Ingénieur Symfony Sénior

Tech Lead at Twenga – Redesign of a large-scale multi-country comparison site

→ Complete redesign of the architecture to improve scalability (DDD approach)
→ New features to boost traffic acquisition across 7 countries
→ Integration of Google Cloud & Retail tools for large-scale data processing
→ Stack: Symfony, Laravel, Node.js, React, PHP 8.1, TypeScript, Firestore, BigQuery
→ Result: performance, improved security, traffic growth, and conversions

Twenga is a comparison site deployed in France, Germany, the United Kingdom, Italy, Spain, Poland, and the Netherlands.

Skills: MySQL · Shopware · Google BigQuery · Google Cloud Platform (GCP) · PHP · Node.js · Laravel · Firestore · Shopify · Symfony · TypeScript · Google App Engine · PrestaShop · React.js

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Période	Mai 2023 – Février 2024
Contrat	Freelance
Localisation	Paris
Client	GAMESTREAM
Fonction	Ingénieur Symfony Sénior

Backend Engineer – Development and Maintenance of a High-Availability Platform

→ Maintenance, support, and continuous deployment of critical client environments
→ Gradual migration of the PHP 7.3 / Symfony 5 stack using a DDD approach
→ Continuous improvement of the infrastructure and functional bug resolution
→ Stack: Symfony, Docker, Nginx, Galera, PostgreSQL, HAProxy, GitLab CI/CD, Redis Cluster
→ Result: Reduced incidents and improved stability in production

Agile environment (SCRUM, one-month sprints) with high availability and reliability requirements.

Skills: Redis, Continuous Integration and Continuous Delivery (CI/CD), MySQL, Docker, GitLab, PHP, PostgreSQL, Symfony, and HAProxy

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Période	Janvier 2023 – Avril 2023
Contrat	Freelance
Localisation	Lille
Client	CLARANET
Fonction	Ingénieur Symfony Sénior

Backend Developer at SKEMA – Student Exam Management Portal

→ Support for the registration back office with critical scaling when applications opened
→ Implementation of candidate pathways: oral exam allocation, campus selection, scoring, and ranking
→ Development in DDD, TDD, and BDD on a Symfony 6 / API Platform foundation
→ Stack: PHP 8, Symfony, API Platform, PostgreSQL, ElasticSearch, RabbitMQ, Redis, Docker
→ Result: Stable and efficient back office during peak registrations

Project conducted using SCRUM methodology with one-week sprints, daily sessions, retrospectives, and demonstrations.

Skills: Redis, Test Driven Development, ElasticSearch, Docker, PHP, Domain Driven Design, PostgreSQL, API Platform, Symfony, RabbitMQ

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Période	Juin 2022 – Décembre 2022
Contrat	Freelance
Localisation	Remote
Client	MEDIATECH
Fonction	Ingénieur Symfony Sénior

Backend Developer – Responsible B2B Video Streaming Platform

→ Development of a B2B video platform used by major clients: Crédit Agricole, Renault, Alstom, Eiffage, Orano, etc.
→ Technical migration (Symfony 5 → 6, Guzzle → Symfony HTTP) and live stream security (Wowza)
→ Addition of features, maintenance, and development in DDD, TDD, and BDD
→ Stack: Symfony 6, PHP 8.1, PostgreSQL, ElasticSearch, Docker, Angular, GCP
→ Result: a more robust and secure platform adapted to specific client needs

Kanban methodology with a focus on code quality and continuous integration.

Skills: Test Driven Development · ElasticSearch · Docker · Google Cloud Platform (GCP) · PHP · Domain Driven Design · PostgreSQL · Symfony · AngularJS · Live Video Streaming

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Période	Mars 2020 – Mai 2022
Contrat	Entrepreneur
Localisation	Remote
Client	DARKWOOD
Fonction	Entrepreneur

Co-founder of Darkwood – Product development focused on automation

→ Development of Flow (asynchronous PHP, modular architecture)
→ Launch of Uniflow in Typescript, interconnection of business tools
→ Stack: PHP, Typescript, Docker, clean/hexagonal architecture
→ Result: saving X hours of development time per month on our internal and client products

Darkwood develops tools designed for the productivity of freelancers and VSEs/SMEs.

Skills: REST API · MySQL · Software architecture · Docker · Node.js · Jest · Symfony · Github Actions · Twitter Bootstrap · TypeScript · Git · GatsbyJS · Flow · React.js

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Période	Aout 2019 – Février 2020
Contrat	CDI
Localisation	Paris 02
Client	MEERO
Fonction	Ingénieur Symfony Sénior

Backend Developer – Launch of the MyMeero mobile platform for photographers

→ Design of a REST API with API Platform for the photographer mobile app
→ Development in DDD with hexagonal architecture, TDD & BDD
→ Participation in the launch of the MyMeero platform and evolution towards a SPA
→ Stack: Symfony 4/5, PHP 7.4, API Platform, MySQL, Docker, PHPUnit
→ Result: scalable, tested platform, ready for B2B mobile use

Agile methodology (Scrum in a team of 6 developers) with complete routines: daily, planning, retrospective, demo. Backend Developer – Launch of the MyMeero mobile platform for photographers → Design of a REST API with API Platform for the photographer mobile app → Development in DDD with hexagonal architecture, TDD & BDD → Participation in the launch of the MyMeero platform and evolution towards a SPA → Stack: Symfony 4/5, PHP 7.4, API Platform, MySQL, Docker, PHPUnit → Result: scalable platform, tested, and ready for B2B mobile use. Agile methodology (Scrum in a team of 6 developers) with complete rituals: daily, planning, retrospective, demo.

Skills: Test-Driven Development, MySQL, Scrum, Docker, PHP, API Platform, Hexagonal Architecture, Symfony, Behavior-Driven Programming

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Période	Octobre 2012 – Juillet 2019
Contrat	CDI
Localisation	Paris 02
Client	BIGYOUTH
Fonction	Ingénieur Symfony Confirmé

Fullstack Symfony & React Developer – Multi-project implementations for major accounts

→ Worked on more than 15 web projects for clients such as Société Générale, Ri-card, NRJ, Azzaro, Paris-Turf, Mugler, Monabanq, etc.
→ Redesign, development, and creation of institutional platforms, e-commerce, and multilingual storefronts
→ Symfony back offices (v2 to v4), front end in React.js / Angular / Vanilla JS, advanced searches via Algolia / Elasticsearch
→ Stack: PHP 5–7, Symfony, React.js, Elasticsearch, Algolia, Redis, Docker, HAProxy, Varnish, Git
→ Result: Continuous delivery of robust, high-performance, and maintainable sites in high-traffic environments

Agile environment with a multidisciplinary team (4-5 people), multi-project management with strong Fullstack Symfony & React Developer – Multi-project development for major accounts → Worked on more than 15 web projects for clients such as Société Générale, Ricard, NRJ, Azzaro, Paris-Turf, Mugler, Monabanq, etc. → Redesign, development, and creation of institutional platforms, e-commerce, and multilingual storefronts → Symfony back-offices (v2 to v4), React.js / Angular / Vanilla JS front-end, advanced searches via Algolia / Elasticsearch → Stack: PHP 5–7, Symfony, React.js, Elasticsearch, Algolia, Redis, Docker, HAProxy, Varnish, Git → Result: continuous delivery of robust, high-performance, and maintainable sites in high-traffic environments. Agile environment with a multidisciplinary team (4-5 people), multi-project management with high autonomy.

Skills: ElasticSearch · Docker · Algolia · Shopify · Symfony · Content Management Systems (CMS) · HAProxy · Full-stack development · React.js

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Période	Septembre 2008 – Septembre 2012
Contrat	CDI
Localisation	Paris 11
Client	LES-ARGONAUTES
Fonction	Ingénieur PHP Junior

Fullstack PHP & JavaScript Developer – Multi-projects for major accounts in a web agency

→ Developments on internal CRM/CMS (in-house framework) with a focus on performance, SEO, and APIs
→ Projects for Véolia, Peugeot, ISS, and Roquette: back offices, payment modules, mobile apps, and touchscreen kiosks
→ Deployment of hybrid applications (Sencha Touch + PhoneGap) on iOS, managing offline/online synchronization
→ Stack: PHP 5–7, internal CMS, JavaScript, jQuery, Vagrant, PhoneGap, Sencha Touch, Git
→ Result: fast and reliable deliveries for multi-country web and mobile projects, in an Agile environment

Multidisciplinary team (4-5 people), multi-client approach with a high degree of autonomy and versatility. Fullstack PHP & JavaScript Developer – Multi-projects for major accounts in a web agency → Developments on Internal CRM/CMS (in-house framework) with a focus on performance, SEO, and APIs → Projects for Véolia, Peugeot, ISS, and Roquette: back offices, payment modules, mobile apps, and touchscreen kiosks → Deployment of hybrid applications (Sencha Touch + PhoneGap) on iOS, managing offline/online synchronization → Stack: PHP 5–7, internal CMS, JavaScript, jQuery, Vagrant, PhoneGap, Sencha Touch, Git → Result: fast and reliable deliveries for multi-country web and mobile projects, in an Agile context. Multidisciplinary team (4-5 people), multi-client approach with a high degree of autonomy and versatility.

Skills: REST API · Hybrid Mobile · PHP · Back Office · Vagrant · JavaScript · Content Management Systems (CMS) · Templating · Git · Search Engine Optimization (SEO)

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Période	Mars 2008 – Aout 2008
Contrat	Stage
Localisation	Paris 20
Client	KYLOTONN ENTERTAINMENT
Fonction	Ingénieur C++ Junior

C++ Graphics Developer – 3D Engine Design in a Video Game Studio

→ Participation in the development of a proprietary game engine, focusing on real-time graphics rendering
→ Implementation of advanced visual techniques: depth of field, diffuse glow
→ Scene export with physical material management for in-game integration
→ Stack: C++, HLSL, DirectX, Visual Studio, Subversion
→ Result: Engine optimized for better visual immersion and a robust technical foundation

Team project using agile methodology, with a monolithic architecture dedicated to graphics rendering. C++ Graphics Developer – 3D Engine Design in a Video Game Studio → Participation in the development of a proprietary game engine, focusing on real-time graphics rendering → Implementation of advanced visual techniques: depth of field, diffuse glow → Scene export with physical material management for in-game integration → Stack: C++, HLSL, DirectX, Visual Studio, Subversion → Result: Optimized engine for better visual immersion and a robust technical foundation. Team project using agile methodology, with a monolithic architecture dedicated to graphics rendering.

Skills: Microsoft Visual Studio C++ · HLSL · DirectX · C++ · Real-time rendering · Real-time programming · 3D engine · 3D graphics

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Période	Mai 2007 – Aout 2007
Contrat	Stage
Localisation	Rambouillet
Client	ANFR
Fonction	Ingénieur VB.Net Junior

Software Developer – Radio Frequency (RF) Mapping Tool

→ Design of a French and international radio frequency monitoring software
→ Drafting of specifications, database modeling, and complete development of the tool
→ Stack: VB.Net, Microsoft Access, Visual Studio, Subversion
→ Result: a reliable business tool for frequency mapping and analysis in a regulated environment

Small team project with a monolithic architecture and an agile approach focused on user needs.
Software Developer – Radio Frequency (RF) Mapping Tool → Design of a French and international radio frequency monitoring software → Drafting of specifications, database modeling, and complete development of the tool → Stack: VB.Net, Microsoft Access, Visual Studio, Subversion → Result: a reliable business tool for frequency mapping and analysis in a regulated environment Regulated environment. Small-team project with a monolithic architecture and an agile approach focused on user needs.

Skills: Microsoft Access, Business Software, Visual Basic .NET (VB.NET), Cartography, Functional Design, Visual Studio, High-Frequency Analysis